

Actual exam question from Microsoft's DP-900

Question #: 1

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Descriptive analytics tells you

	▼
what is most likely to occur in the future.	
what occurred in the past.	
which actions you can perform to affect outcomes.	
why something occurred in the past.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 2

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 3

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

An extract, transform, and load (ETL) process
requires

	▼
a matching schema in the data source and the data target.	
a target data store powerful enough to transform data.	
data that is fully processed before being loaded to the target data store.	
that the data target be a relational database.	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 4

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

In batch processing,

	▼
data is always inserted one row at a time.	
data is processed in real-time.	
latency in delivering data processing results is acceptable.	
processing can only execute serially.	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 5

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Transcribing audio files is an example of analytics.

<input type="text"/>
cognitive
descriptive
predictive
prescriptive

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 6

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of analytics that can be used to answer the business questions.

To answer, drag the appropriate analytics type from the column on the left to its question on the right. Each analytics type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Analytics Types

Cognitive

Diagnostic

Descriptive

Predictive

Prescriptive

Answer Area

Why did sales increase last month?

How do I allocate my budget to buy different inventory items?

Which people are mentioned in a company's business documents?

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 7

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

You have the following JSON document.

```
"customer" : {
  "first name" : "Ben",
  "last name" : "Smith",
  "address" : {
    "line 1" : "161 Azure Ln",
    "line 2" : "Palo Alto",
    "ZIP code" : "54762"
  },
  "social media": [
    {
      "service" : "twitter",
      "handle" : "@bensmith"
    },
    {
      "service" : "linkedin",
      "handle" : "bensmith"
    }
  ],
  "phone numbers": [
    {
      "type" : "mobile",
      "number" : "555-555-555"
    }
  ]
}
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the JSON document.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Customer is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Address is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Social media is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

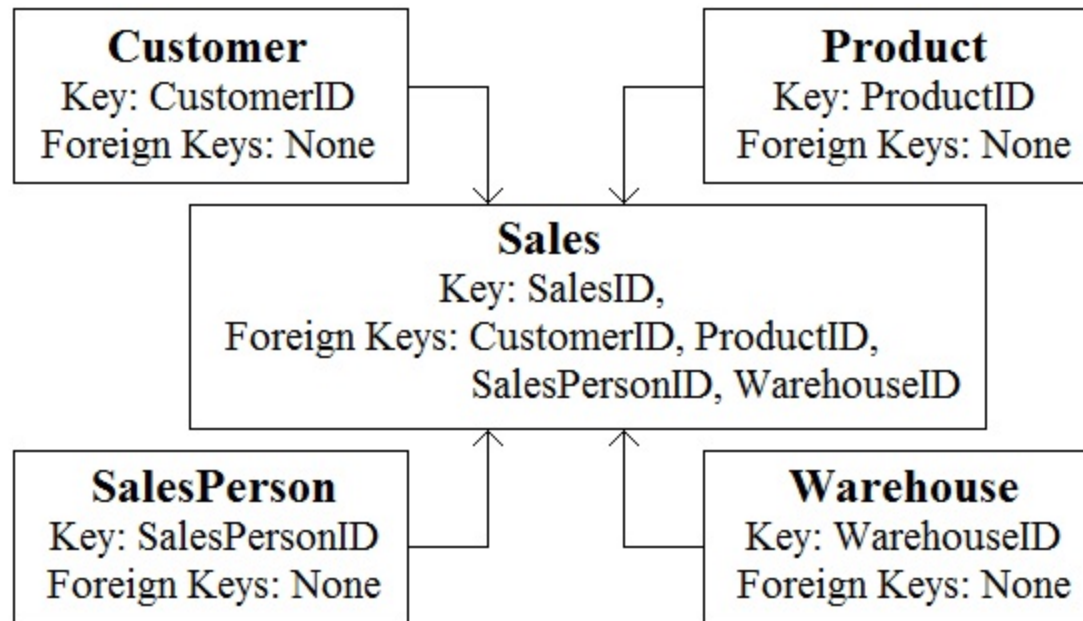
Question #: 8

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

You are reviewing the data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point

Hot Area:

Answer Area

The data model is a [answer choice].

	▼
transactional model	
star schema	
snowflake schema	

Customer is a [answer choice] table.

	▼
fact	
dimension	
bridge	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 9

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

The massively parallel processing (MPP) engine of Azure

Synapse Analytics

distributes processing across compute nodes.

distributes processing across control nodes.

redirects client connections across compute nodes.

redirects client connections across control nodes.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 10

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

	▼
A clustered index	
A FileTable	
A foreign key	
A stored procedure	

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 11

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- | | |
|---|---|
| | ▼ |
| changes to relationships between entities | |
| geographically distributed writes | |
| transactional writes | |
| writes that have varying data structures | |

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 12

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Batch processing can output data to a file store	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 13

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract, load, and transform (ELT) process.

Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct stages. Each location may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Locations

An in-memory data integration tool

The CRM system

The data warehouse

Answer Area

Extract:

Location

Load:

Location

Transform:

Location

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 14

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of analytics.

<input type="text"/>
cognitive
descriptive
predictive
prescriptive

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 15

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of visualizations to the appropriate descriptions.

To answer, drag the appropriate visualization type from the column on the left to its description on the right. Each visualization type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Visualizations

Key influencer

Scatter

Treemap

Answer Area

Visualization

A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.

Visualization

A chart that displays the major contributors of a selected result or value.

Visualization

A chart that shows the relationship between two numerical values.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 16

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to create an Azure Storage account.

Data in the account must replicate outside the Azure region automatically.

Which two types of replication can you use for the storage account? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. zone-redundant storage (ZRS)
- B. read-access geo-redundant storage (RA-GRS)
- C. locally-redundant storage (LRS)
- D. geo-redundant storage (GRS)

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 17

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements

Yes

No

Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.

Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.

All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 18

Topic #: 1

[\[All DP-900 Questions\]](#)

Which statement is an example of Data Manipulation Language (DML)?

- A. REVOKE
- B. DISABLE
- C. INSERT
- D. GRANT

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 19

Topic #: 1

[\[All DP-900 Questions\]](#)

You have a SQL query that combines customer data and order data. The query includes calculated columns.

You need to create a database object that would allow other users to rerun the same SQL query.

What should you create?

- A. an index
- B. a view
- C. a scalar function
- D. a table

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 20

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A key/value data store is optimized for

	▼
enforcing constraints	
simple lookups	
table joins	
transactions	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 21

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of data to the appropriate Azure data services.

To answer, drag the appropriate data type from the column on the left to its service on the right. Each data type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Data Types

Image files

Key/value pairs

Relationships between employees

Answer Area

Data type

Azure Blob storage

Data type

Azure Cosmos DB Gremlin API

Data type

Azure Table storage

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 22

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure Data Lake Storage Gen2 terms to the appropriate levels in the hierarchy.

To answer, drag the appropriate term from the column on the left to its level on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Terms

Azure Storage account

File share

Container

Answer Area

Azure Resource Group

Term

Term

Folders

Files

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 23

Topic #: 1

[\[All DP-900 Questions\]](#)

What are two characteristics of real-time data processing? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Data is processed periodically
- B. Low latency is expected
- C. High latency is acceptable
- D. Data is processed as it is created

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 24

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure Data Factory components to the appropriate descriptions.

To answer, drag the appropriate component from the column on the left to its description on the right. Each component may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Components

Dataset

Linked service

Mapping data flow

Pipeline

Answer Area

Component

A representation of data structures within data stores

Component

The information used to connect to external resources

Component

A logical grouping of activities that performs a unit of work and can be scheduled

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 25

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Workload Types

Batch

Streaming

Answer Area

Workload type

Data for a product catalog will be loaded every 12 hours to a data warehouse.

Workload type

Thousands of data sets per second for online purchases will be loaded into a data warehouse in real time

Workload type

Updates to inventory data will be loaded to a data warehouse every 1 million transactions.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 26

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract, load, and transform (ELT) process. Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct stages. Each location may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Locations

A standalone data analysis tool

The CRM system

The data warehouse

Answer Area

Extract:

Load:

Transform:

Show Suggested Answer



Actual exam question from Microsoft's DP-900

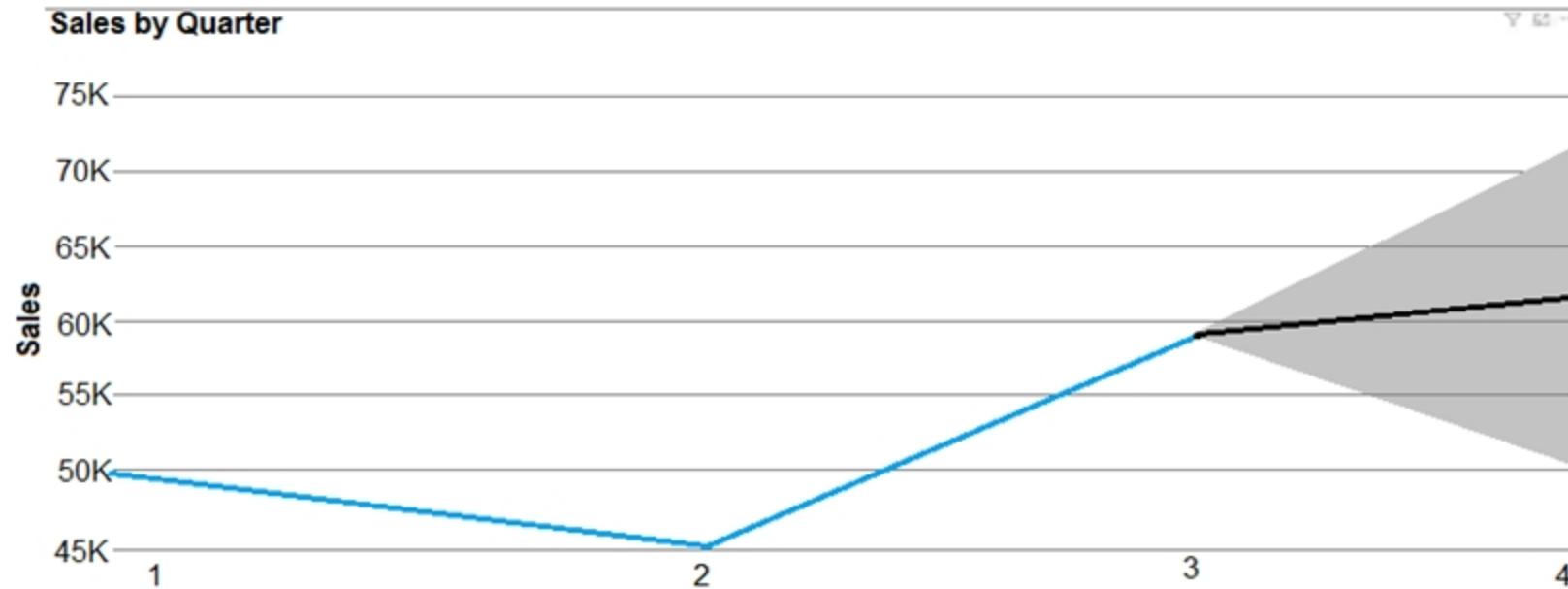
Question #: 27

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company recently reported sales from the third quarter.

You have the chart shown in the following exhibit.



Which type of analysis is shown in the fourth quarter?

- A. predictive
- B. prescriptive
- C. descriptive
- D. diagnostic

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 28

Topic #: 1

[\[All DP-900 Questions\]](#)

Which statement is an example of Data Manipulation Language (DML)?

- A. REVOKE
- B. DISABLE
- C. CREATE
- D. UPDATE

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 29

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Creating closed caption text for audio files is an example of analytics.

<input type="text"/>	▼
cognitive	
descriptive	
predictive	
prescriptive	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 30

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A visualization that illustrates a university's current student enrollment per department is an example of analytics.

<input type="text"/>
cognitive
descriptive
predictive
prescriptive

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 32

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to create an Azure resource to store data in Azure Table storage.

Which command should you run?

- A. az storage share create
- B. az storage account create
- C. az cosmosdb create
- D. az storage container create

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 33

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

The Azure Cosmos DB API enables the use of SELECT statements to

- Core (SQL)
- Gremlin
- MongoDB
- Table

retrieve documents from Azure Cosmos DB.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 34

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to modify a view in a relational database by adding a new column.

Which statement should you use?

- A. MERGE
- B. ALTER
- C. INSERT
- D. UPDATE

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 35

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 36

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

You plan to deploy a PostgreSQL database to Azure.

Which hosting model corresponds to the available deployment options? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

PostgreSQL on Azure VMs:

<input type="checkbox"/>	Infrastructure as a service (IaaS)
<input type="checkbox"/>	Platform as a service (PaaS)
<input type="checkbox"/>	Software as a service (SaaS)

Azure Database for PostgreSQL:

<input type="checkbox"/>	Infrastructure as a service (IaaS)
<input type="checkbox"/>	Platform as a service (PaaS)
<input type="checkbox"/>	Software as a service (SaaS)

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 38

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure storage solution provides native support for POSIX-compliant access control lists (ACLs)?

- A. Azure Table storage
- B. Azure Data Lake Storage
- C. Azure Queue storage
- D. Azure Files

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 39

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Relational data is stored in

<input type="text"/>
a file system as unstructured data.
a hierarchal folder structure.
a tabular form of rows and columns.
comma-separated value (CSV) files.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 41

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A block of code that runs in a database is called

<input type="text"/>
a stored procedure.
a table.
a view.
an index.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 42

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of analytics that can be used to answer the business questions.

To answer, drag the appropriate analytics type from the column on the left to its question on the right. Each analytics type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Analytics Types

Answer Area

Cognitive

Why did sales increase last month?

Diagnostic

Provide specific guidance on how to allocate current budget to buy different inventory items.

Descriptive

Detect images of the company's logo included in PDF documents

Predictive

Prescriptive

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 44

Topic #: 1

[\[All DP-900 Questions\]](#)

Which type of database is Azure Database for PostgreSQL?

- A. Platform as a service (PaaS)
- B. Infrastructure as a service (IaaS)
- C. Microsoft SQL Server
- D. on-premises

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 45

Topic #: 1

[\[All DP-900 Questions\]](#)

Which storage solution supports access control lists (ACLs) at the file and folder level?

- A. Azure Data Lake Storage
- B. Azure Queue storage
- C. Azure Blob storage
- D. Azure Cosmos DB

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 46

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

A

	▼
line chart	
matrix	
scatter	
treemap	

is a chart of colored rectangles. The size of the rectangles represent

the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 47

Topic #: 1

[\[All DP-900 Questions\]](#)

What is a characteristic of batch processing?

- A. The data ingested during batch processing must be processed as soon as the data is received.
- B. Large datasets must be split into batches of less than 1 GB before the data can be processed.
- C. There is a noticeable time delay between ingesting data and obtaining the data processing results.
- D. Batch processing can only process data that is structured.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 48

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

In a SQL statement, are examples of aggregate functions.

FROM and WHERE

GROUP BY and ORDER BY

JOIN and MERGE

MAX and MIN

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 49

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A job that processes sales data once daily is an example of a batch workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates a rolling average temperature reading is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates average revenue per product for the last month is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 50

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

In a relational database, each row in a table has

	▼
a different set of columns	
a key-value pair	
the same set of columns	
unstructured data	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 51

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Normalizing a database increases the throughput of writing transactions.	<input type="radio"/>	<input type="radio"/>
Analytics systems are more normalized than transactional systems.	<input type="radio"/>	<input type="radio"/>
Normalizing a database results in queries that require more joins.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 52

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
Column family databases	
Document databases	
Graph databases	
Key-value stores	

natively support the analysis of relationships between entities

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 53

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

A key/value data store is optimized for

	▼
enforcing constraints.	
simple lookups.	
table joins.	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 54

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the

	▼
elastic pool	
MySQL server	
PostgreSQL server	
virtual machine	

that hosts SQL Server

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 55

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Varying fields for each entity in a JSON document is an example of

	▼
relational data.	
semi-structured data.	
structured data.	
unstructured data.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 56

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

A JSON document is an example of

	▼
graph data.	
relational data.	
semi-structured data.	
unstructured data.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 57

Topic #: 1

[\[All DP-900 Questions\]](#)

Which property of a transactional workload guarantees that each transaction is treated as a single unit that either succeeds completely or fails completely?

- A. atomicity
- B. isolation
- C. durability
- D. consistency

Show Suggested Answer



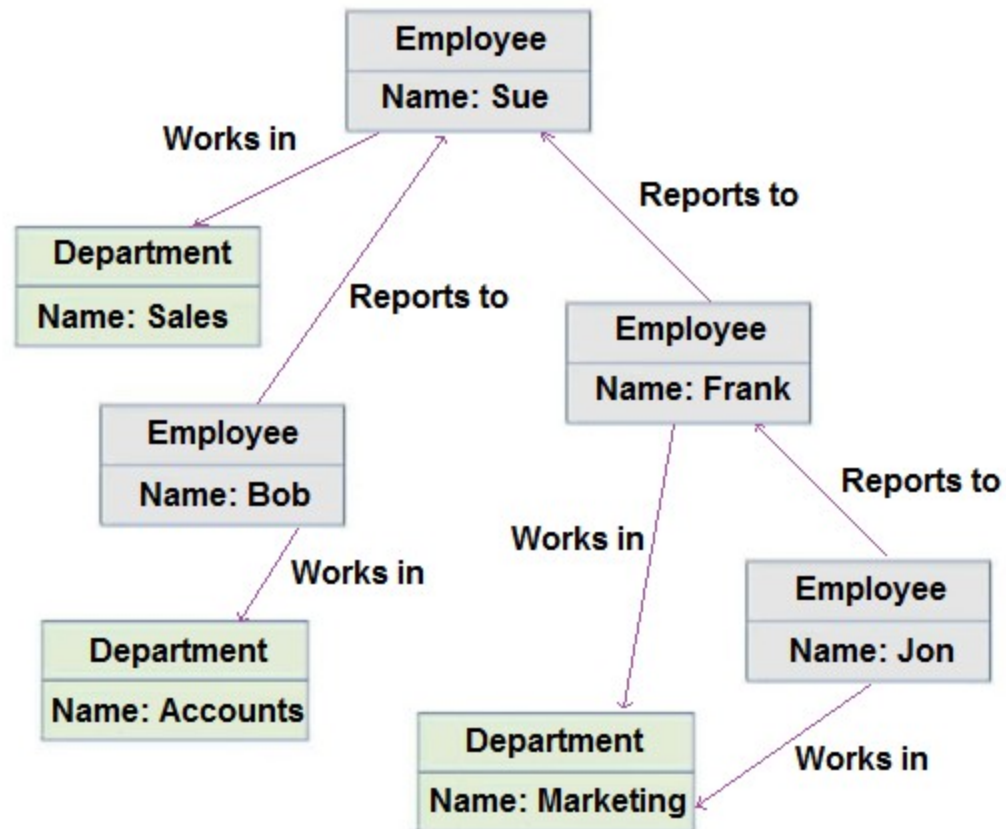
Actual exam question from Microsoft's DP-900

Question #: 58

Topic #: 1

[\[All DP-900 Questions\]](#)

You have a data store that has the structure shown in the following exhibit.



Which type of data store is this?

- A. key/value
- B. object data
- C. graph
- D. time series

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 59

Topic #: 1

[\[All DP-900 Questions\]](#)

Which type of database contains nodes and edges?

- A. graph
- B. key/value
- C. columnar
- D. time series

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 60

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
A data analyst	
A data engineer	
A data scientist	

is responsible for identifying which business rules must be applied to the data of a company.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 62

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an inventory management database that contains the following table.

ProductName	Quantity
Product1	100
Product2	129
Product3	176

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

- A. INSERT
- B. MERGE
- C. UPDATE
- D. CREATE

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 63

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance.

Which Azure service should you use?

- A. Azure HDInsight
- B. Azure SQL Database
- C. Azure Cosmos DB
- D. SQL Server on Azure Virtual Machines

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 64

Topic #: 1

[\[All DP-900 Questions\]](#)

You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database.

You need to embed documents and query results into a SQL notebook.

What should you use?

- A. Microsoft SQL Server Management Studio (SSMS)
- B. Azure Data Studio
- C. Azure CLI
- D. Azure PowerShell

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 65

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the terms to the appropriate descriptions.

To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Terms

Index

View

Table

Answer Area

A database object that holds data

A database object whose content is defined by a query

A database object that helps improve the speed of data retrieval

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 66

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an e-commerce application that reads and writes data to an Azure SQL database.

Which type of processing does the application use?

- A. stream processing
- B. batch processing
- C. Online Analytical Processing (OLAP)
- D. Online Transaction Processing (OLTP)

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 67

Topic #: 1

[\[All DP-900 Questions\]](#)

When can you use an Azure Resource Manager template?

- A. to automate the creation of an interdependent group of Azure resources in a repeatable way
- B. to apply Azure policies for multi-tenant deployments
- C. to provision Azure subscriptions
- D. to control which services and feature administrators and developers can deploy from the Azure portal

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 68

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an Azure SQL database that you access directly from the Internet.

You recently changed the public IP address of your computer.

After changing the IP address, you can no longer access the database. You can connect to other resources in Azure.

What is a possible cause of the issue?

- A. role-based access control (RBAC)
- B. Dynamic Host Configuration Protocol (DHCP)
- C. Domain Name Service (DNS)
- D. a database-level firewall

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 69

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the tools to the appropriate descriptions.

To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.

Select and Place:

Tools

Azure Data Studio

Microsoft SQL Server Data
Tools (SSDT)

Microsoft SQL Server
Management Studio (SSMS)

Answer Area

Tool

A graphical tool for managing SQL Server or Azure SQL databases that supports access, configuration, management, and administration tasks.

Tool

A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files.

Tool

A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 70

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Relational database tables contain columns and rows	<input type="radio"/>	<input type="radio"/>
Indexes in a relational database describe the data types in a table	<input type="radio"/>	<input type="radio"/>
A database view is a virtual table whose content is defined by a query	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 71

Topic #: 1

[\[All DP-900 Questions\]](#)

Which command-line tool can you use to query Azure SQL databases?

- A. sqlcmd
- B. bcp
- C. azdata
- D. Azure CLI

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 72

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure SQL Database includes a managed backup service.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Defender.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 73

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 74

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 75

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

You have the following SQL query.

```
INSERT INTO dbo.Products (ProductID, ProductName, Price, ProductDescription)
VALUES (1, 'Clamp', 12.48, 'Workbench clamp') ;
```

What are dbo.Products and ProductName? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Dbo.Products:

	▼
A column	
A database	
A table	
An index	

ProductName:

	▼
A column	
A database	
A table	
An index	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 76

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 77

Topic #: 1

[\[All DP-900 Questions\]](#)

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. JOIN
- C. UPDATE
- D. CREATE

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 78

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input type="radio"/>
Azure Data Studio can be used to restore a database.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 79

Topic #: 1

[\[All DP-900 Questions\]](#)

You are deploying a software as a service (SaaS) application that requires a relational database for Online Transaction Processing (OLTP).

Which Azure service should you use to support the application?

- A. Azure Cosmos DB
- B. Azure HDInsight
- C. Azure SQL Database
- D. Azure Synapse Analytics

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 80

Topic #: 1

[\[All DP-900 Questions\]](#)

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. access to the latest features
- B. complete control over backup and restore processes
- C. in-database machine learning services
- D. reduced administrative effort for managing the server infrastructure

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 81

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.	<input type="radio"/>	<input type="radio"/>
If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.	<input type="radio"/>	<input type="radio"/>
If you have a platform as a service (PaaS) database in Azure, you are responsible for installation of the database engine.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 82

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

You have a table named Sales that contains the following data.

SalesDate	SalesAmount	ProductID
4-Apr-20	\$2,000	1
5-Apr-20	\$40	2
5-Apr-20	\$2,300	1
6-Apr-20	\$40	3
6-Apr-20	\$200	4

You need to query the table to return the average sales amount per day. The output must produce the following results.

SalesDate	AVG(SalesAmount)
4-Apr-20	\$2,000
5-Apr-20	\$1,170
6-Apr-20	\$120

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Values

CREATE

GROUP BY

ORDER BY

SELECT

Answer Area

Value

SalesDate, AVG(SalesAmount)

FROM Sales

Value

SalesDate

ORDER BY SalesDate

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 83

Topic #: 1

[\[All DP-900 Questions\]](#)

When you create an Azure SQL database, which account can always connect to the database?

- A. the Azure Active Directory (Azure AD) account that created the database
- B. the server admin login account of the logical server
- C. the Azure Active Directory (Azure AD) administrator account
- D. the sa account

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 84

Topic #: 1

[\[All DP-900 Questions\]](#)

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. INSERT
- C. DELETE
- D. DROP

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 85

Topic #: 1

[\[All DP-900 Questions\]](#)

A team of developers has computers that run Windows 10 and Ubuntu Desktop.

The developers need to connect to and query an Azure SQL database from each of their computers. The developers require code assistance features such as IntelliSense.

What should the developers use?

- A. sqlcmd
- B. Microsoft SQL Server Management Studio (SSMS)
- C. Azure Data Studio
- D. Azure Data Explorer

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 86

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Transparent Data Encryption (TDE) encrypts

	▼
a column to protect data at rest and in transit.	
queries and their results in order to protect data in transit.	
the database to protect data at rest.	
the server to protect data at rest.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 87

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database.

Which type of authentication should you use?

- A. service principal authentication
- B. Azure Active Directory (Azure AD) authentication
- C. SQL authentication
- D. certificate authentication

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 88

Topic #: 1

[\[All DP-900 Questions\]](#)

What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

- A. built-in high availability
- B. native support for cross-database queries and transactions
- C. system-initiated automatic backups
- D. support for encryption at rest

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 89

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

By default, each Azure SQL database is protected by

	▼
a network security group (NSG).	
a server-level firewall.	
Azure Firewall.	
Azure Front Door.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 90

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to design and model a database by using a graphical tool that supports project-oriented offline database development.

What should you use?

- A. Microsoft SQL Server Data Tools (SSDT)
- B. Microsoft SQL Server Management Studio (SSMS)
- C. Azure Databricks
- D. Azure Data Studio

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 91

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the security components to the appropriate scenarios.

To answer, drag the appropriate component from the column on the left to its scenario on the right. Each component may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Components

Authentication

Firewall

Encryption

Answer Area

Prevent access to an Azure SQL database from another network.

Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.

Ensure that sensitive data never appears as plain text in an Azure SQL database.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 92

Topic #: 1

[\[All DP-900 Questions\]](#)

You have a transactional application that stores data in an Azure SQL managed instance.
When should you implement a read-only database replica?

- A. You need to generate reports without affecting the transactional workload.
- B. You need to audit the transactional application.
- C. You need to implement high availability in the event of a regional outage.
- D. You need to improve the recovery point objective (RPO).

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 93

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A relational database must be used when

	▼
a dynamic schema is required.	
data will be stored as key/value pairs.	
storing large images and videos.	
strong consistency guarantees are required.	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 94

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Relational data uses to enforce relationships between different tables.

collections

columns

keys

partitions

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 95

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

	▼
A heap	
A stored procedure	
A view	
An index	

is a virtual table that contains content defined by a query.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 96

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.
- B. You must have SELECT access to the Products table.
- C. You must have a user in the database.
- D. You must be assigned the Contributor role for the resource group that contains the database.
- E. Your IP address must be allowed to connect to the database.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 97

Topic #: 1

[\[All DP-900 Questions\]](#)

Which clause should you use in a SELECT statement to combine rows in one table with rows in another table?

- A. SET
- B. VALUES
- C. KEY
- D. JOIN

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 98

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company needs to ensure that an Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet.

What should you use?

- A. Azure Application Gateway
- B. Azure Traffic Manager
- C. Azure DNS
- D. Azure Private Link

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 99

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure SQL services to the appropriate use cases.

To answer, drag the appropriate service from the column on the left to its use case on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Azure SQL services

Answer Area

Azure SQL Database
elastic pool

A serverless configuration

Azure SQL Database
single database

A database that has the highest compatibility
with on-premises Microsoft SQL Server

Azure SQL
Managed instance

A low-cost, low-maintenance database

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 100

Topic #: 1

[\[All DP-900 Questions\]](#)

Which T-SQL statement should be used to instruct a database management system to use an index instead of performing a full table scan?

- A. SELECT
- B. WHERE
- C. JOIN

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 101

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
Azure SQL Database	
Azure Synapse Analytics	
Azure Database for MariaDB	
SQL Server on Azure virtual machines	

is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 102

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
A view	
A clustered index	
A stored procedure	
A nonclustered index	

physically sorts the data in a table based on the values in a specified column.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 104

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

In a relational database, the uniquely identifies each row in a table

- | |
|--------------------|
| foreign key |
| primary key |
| WHERE clause |
| nonclustered index |

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 105

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
A heap	
A stored procedure	
A view	
An index	

presents content defined by a query.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 106

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure service provides the highest compatibility for databases migrated from Microsoft SQL Server 2019 Enterprise edition?

- A. Azure SQL Database
- B. Azure Database for MySQL
- C. Azure SQL Managed Instance
- D. an Azure SQL Database elastic pool

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 107

Topic #: 1

[\[All DP-900 Questions\]](#)

Which setting can only be configured during the creation of an Azure Cosmos DB account?

- A. geo-redundancy
- B. multi-region writes
- C. production or non-production account type
- D. API

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 108

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of data stores to the appropriate scenarios.

To answer, drag the appropriate data store type from the column on the left to its scenario on the right. Each data store type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Data Store Types

Graph

Object

Key/value

Answer Area

A list of application user names and, for each, the default language

A collection of medical images and their associated metadata.

Employee data that shows the relationships between employees

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 109

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. the throughput
- B. the read region
- C. the partition key
- D. the API

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 110

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company is designing a data store that will contain student data. The data has the following format.

StudentNumber	StudentInformation
7634634	First name: Ben Last: Smith Preferred Name: Benjamin
7634634	First Name: Dominik Last Name: Paiha Email Address: dpaiha@contoso.com MCP ID: 931817
7634636	First Name: Reshma Last Name: Patel Phone number: 514-555-1101
7634637	First Name: Yun-Feng Last Name: Peng

Which type of data store should you use?

- A. graph
- B. key/value
- C. object
- D. columnar

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 111

Topic #: 1

[\[All DP-900 Questions\]](#)

Which storage solution supports role-based access control (RBAC) at the file and folder level?

- A. Azure Disk Storage
- B. Azure Data Lake Storage
- C. Azure Blob storage
- D. Azure Queue storage

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 112

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to store data in Azure Blob storage for seven years to meet your company's compliance requirements. The retrieval time of the data is unimportant. The solution must minimize storage costs.

Which storage tier should you use?

- A. Archive
- B. Hot
- C. Cool

[Show Suggested Answer](#)





Actual exam question from Microsoft's DP-900

Question #: 113

Topic #: 1

[\[All DP-900 Questions\]](#)

Which type of non-relational data store supports a flexible schema, stores data as JSON files, and stores the all the data for an entity in the same document?

- A. document
- B. columnar
- C. graph
- D. time series

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 114

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure Cosmos DB APIs to the appropriate data structures.

To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

APIs

Cassandra API

Gremlin API

MongoDB API

Table API

Answer Area

Graph data

JSON documents

Key/value data

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 115

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

	▼
enable the hierarchical namespace.	
set Account kind to BlobStorage.	
set Performance to Premium.	
set Replication to Read-access geo-redundant storage (RA-GRS).	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 116

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You can query a graph database in Azure Cosmos DB

	▼
as a JSON document by using a SQL-like language.	
as a partitioned row store by using Cassandra Query Language (CQL).	
as a partitioned row store by using Language-Integrated Query (LINQ).	
as nodes and edges by using the Gremlin language.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 117

Topic #: 1

[\[All DP-900 Questions\]](#)

When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

- A. multi-master replication
- B. Availability Zones
- C. the strong consistency level
- D. automatic failover

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 118

Topic #: 1

[\[All DP-900 Questions\]](#)

What is a benefit of the Azure Cosmos DB Table API as compared to Azure Table storage?

- A. provides resiliency if an Azure region fails
- B. supports partitioning
- C. provides a higher storage capacity
- D. supports a multi-master model

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 119

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company needs to design a database that shows how changes in network traffic in one area of a network affect network traffic in other areas of the network. Which type of data store should you use?

- A. graph
- B. key/value
- C. document
- D. columnar

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 120

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 121

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the datastore services to the appropriate descriptions.

To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Services

Azure Blob storage

Azure Cosmos DB

Azure Files

Azure Table storage

Answer Area

Service

Enables the use of SQL queries against data stored in JSON documents

Service

Enables users to access data by using the Server Message Block (SMB) version 3 protocol

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 122

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

When provisioning an Azure Cosmos DB , you need to specify which type of API you will use.

account
container
database
item

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 123

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to store data by using Azure Table storage.

What should you create first?

- A. an Azure Cosmos DB instance
- B. a storage account
- C. a blob container
- D. a table

[Show Suggested Answer](#)





Actual exam question from Microsoft's DP-900

Question #: 124

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to recommend a data store service that meets the following requirements:

- ⇒ Native SQL API access
- ⇒ Configurable indexes

What should you recommend?

- A. Azure Files
- B. Azure Blob storage
- C. Azure Table storage
- D. Azure Cosmos DB

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 125

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Table storage within a single Azure Storage account supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 126

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

To configure an Azure Storage account to support access control lists

that have object-level permissions,

	▼
enable the hierarchical namespace.	
set Account kind to BlobStorage.	
set Performance to Premium.	
set Replication to Read-access geo-redundant storage (RA-GRS).	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 127

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company needs to design a database that illustrates the relationships between utilization levels of individual network devices across a local area network. Which type of data store should you use?

- A. graph
- B. key/value
- C. document
- D. columnar

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 128

Topic #: 1

[\[All DP-900 Questions\]](#)

You manage an application that stores data in a shared folder on a Windows server.

You need to move the shared folder to Azure Storage.

Which type of Azure Storage should you use?

- A. queue
- B. blob
- C. file
- D. table

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 129

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart.

Which type of data store will provide the lowest latency to retrieve the data?

- A. key/value
- B. graph
- C. columnar
- D. document

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 130

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an application that runs on Windows and requires access to a mapped drive.

Which Azure service should you use?

- A. Azure Files
- B. Azure Blob storage
- C. Azure Cosmos DB
- D. Azure Table storage

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 131

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 132

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company is designing an application that will write a high volume of JSON data and will have an application-defined schema.

Which type of data store should you use?

- A. columnar
- B. key/value
- C. document
- D. graph

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 133

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to recommend a non-relational data store that is optimized for storing and retrieving text files, videos, audio streams, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file.

Which type of data store should you recommend?

- A. key/value
- B. columnar
- C. object
- D. document

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 134

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company is designing a data store for internet-connected temperature sensors.

The collected data will be used to analyze temperature trends.

Which type of data store should you use?

- A. relational
- B. time series
- C. graph
- D. columnar

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 135

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Copying data to Azure Data Lake Storage from another Azure region results in extra cost.	<input type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 136

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a

	▼
graph.	
table.	
partition key.	
document.	

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 137

Topic #: 1

[\[All DP-900 Questions\]](#)

At which two levels can you set the throughput for an Azure Cosmos DB account? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. database
- B. item
- C. container
- D. partition

[Show Suggested Answer](#)





Actual exam question from Microsoft's DP-900

Question #: 138

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Table storage supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 139

Topic #: 1

[\[All DP-900 Questions\]](#)

What is a characteristic of non-relational data?

- A. no indexes
- B. self-describing entities
- C. a well-defined schema
- D. no unique key values

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 140

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

	▼
A hierarchical namespace	
Azure Synapse Link	
PolyBase	
The Data Movement Service (DMS)	

is an Azure Synapse Analytics feature that retrieves data from Azure Blob storage by using Transact-SQL queries.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 141

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to gather real-time telemetry data from a mobile application.

Which type of workload describes this scenario?

- A. Online Transaction Processing (OLTP)
- B. batch
- C. massively parallel processing (MPP)
- D. streaming

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 142

Topic #: 1

[\[All DP-900 Questions\]](#)

You have a dedicated SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours.

You need to minimize the cost of the dedicated SQL pool as much as possible during idle times. The solution must ensure that the data remains intact.

What should you do on the dedicated SQL pool?

- A. Scale down the data warehouse units (DWUs).
- B. Pause the pool.
- C. Create a user-defined restore point.
- D. Delete the pool

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 143

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure Data Factory component initiates the execution of a pipeline?

- A. a control flow
- B. a trigger
- C. a parameter
- D. an activity

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 144

Topic #: 1

[\[All DP-900 Questions\]](#)

Your company has a reporting solution that has paginated reports. The reports query a dimensional model in a data warehouse.

Which type of processing does the reporting solution use?

- A. stream processing
- B. batch processing
- C. Online Analytical Processing (OLAP)
- D. Online Transaction Processing (OLTP)

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 145

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of activities to the appropriate Azure Data Factory activities.

To answer, drag the appropriate activity type from the column on the left to its Data Factory activity on the right. Each activity type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Activity Types

Answer Area

Control

Copy

Data movement

Mapping data flow

Data transformation

Lookup

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 146

Topic #: 1

[\[All DP-900 Questions\]](#)

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. heavy writes and moderate reads
- C. light writes and heavy reads
- D. schema on write
- E. schema on read
- F. normalized data

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 147

Topic #: 1

[\[All DP-900 Questions\]](#)

Which two activities can be performed entirely by using the Microsoft Power BI service without relying on Power BI Desktop? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. report and dashboard creation
- B. report sharing and distribution
- C. data modeling
- D. data acquisition and preparation

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 148

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

In Azure Data Factory, you can use to orchestrate pipeline

- a control flow
- a dataset
- a linked service
- an integration runtime

activities that depend on the output of other pipeline activities.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 149

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to develop a solution to provide data to executives. The solution must provide an interactive graphical interface, depict various key performance indicators, and support data exploration by using drill down.

What should you use in Microsoft Power BI?

- A. a view
- B. a report
- C. a dataflow
- D. Microsoft Power Apps

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 150

Topic #: 1

[\[All DP-900 Questions\]](#)

Which two Azure services can be used to provision Apache Spark clusters? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Time Series Insights
- B. Azure HDInsight
- C. Azure Databricks
- D. Azure Log Analytics

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 151

Topic #: 1

[\[All DP-900 Questions\]](#)

You have a quality assurance application that reads data from a data warehouse.

Which type of processing does the application use?

- A. Online Transaction Processing (OLTP)
- B. batch processing
- C. Online Analytical Processing (OLAP)
- D. stream processing

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 152

Topic #: 1

[\[All DP-900 Questions\]](#)

Which three objects can be added to a Microsoft Power BI dashboard? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. a report page
- B. a Microsoft PowerPoint slide
- C. a visualization from a report
- D. a dataflow
- E. a text box

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 153

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 154

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure Data Factory component provides the compute environment for activities?

- A. SSIS packages
- B. an integration runtime
- C. a control flow
- D. a pipeline

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 155

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A Microsoft Power BI enables users to create highly formatted,

- dashboard
- interactive report
- paginated report
- subscription

fixed-layout documents optimized for printing and archiving.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 156

Topic #: 1

[\[All DP-900 Questions\]](#)

What are two uses of data visualization? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Represent trends and patterns over time
- B. Implement machine learning to predict future values
- C. Communicate the significance of data
- D. Enforce business logic across reports

[Show Suggested Answer](#)





Actual exam question from Microsoft's DP-900

Question #: 157

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to use Transact-SQL to query files in Azure Data Lake Storage Gen 2 from an Azure Synapse Analytics data warehouse.

What should you use to query the files?

- A. Azure Functions
- B. Microsoft SQL Server Integration Services (SSIS)
- C. PolyBase
- D. Azure Data Factory

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 158

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements

Yes

No

You can copy a dashboard between Microsoft Power BI workspaces.

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 159

Topic #: 1

[\[All DP-900 Questions\]](#)

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. heavy writes and moderate reads
- C. light writes and heavy reads
- D. schema defined in a database
- E. schema defined when reading unstructured data from a database
- F. normalized data

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 160

Topic #: 1

[\[All DP-900 Questions\]](#)

What is the primary purpose of a data warehouse?

- A. to provide answers to complex queries that rely on data from multiple sources
- B. to provide transformation services between source and target data stores
- C. to provide read-only storage of relational and non-relational historical data
- D. to provide storage for transactional line-of-business (LOB) applications

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 161

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure services to the appropriate locations in the architecture.

To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Services

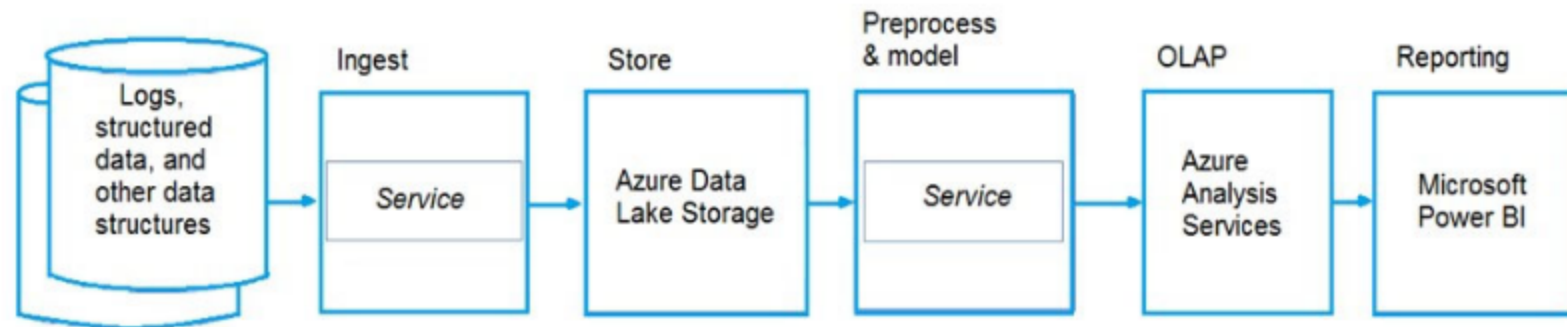
Azure Cognitive Search

Azure Data Catalog

Azure Data Factory

Azure Synapse Analytics

Answer Area



Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 162

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the types of workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Workload Types

Batch

Streaming

Answer Area

Workload type

Analyzing historical data containing web traffic collected during the previous year.

Workload type

Classifying images that were uploaded last month.

Workload type

Tracking in real time how many people are currently using a website.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 163

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

In a data warehousing workload, data

	▼
from a single source is distributed to multiple locations	
from multiple sources is combined in a single location	
is added to a queue for multiple systems to process	
is used to train machine learning models	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 164

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A pipeline is a representation of a data structure within Azure Data Factory	<input type="radio"/>	<input type="radio"/>
Azure Data Factory pipelines can execute other pipelines	<input type="radio"/>	<input type="radio"/>
A processing step within an Azure Data Factory pipeline is an activity	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 165

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure services to the appropriate requirements.

To answer, drag the appropriate service from the column on the left to its requirement on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Services

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Service

Output data to Parquet format

Service

Store data that is in Parquet format

Service

Persist a tabular representation of data that is stored in Parquet format

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 166

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently	<input type="radio"/>	<input type="radio"/>
Azure Synapse Analytics can be paused to reduce compute costs	<input type="radio"/>	<input type="radio"/>
An Azure Synapse Analytics data warehouse has a fixed storage capacity	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 167

Topic #: 1

[\[All DP-900 Questions\]](#)

What should you use to build a Microsoft Power BI paginated report?

- A. Charticator
- B. Power BI Desktop
- C. the Power BI service
- D. Power BI Report Builder

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 168

Topic #: 1

[\[All DP-900 Questions\]](#)

DRAG DROP -

Match the Azure services to the appropriate locations in the architecture.

To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Services

Azure Analysis Services

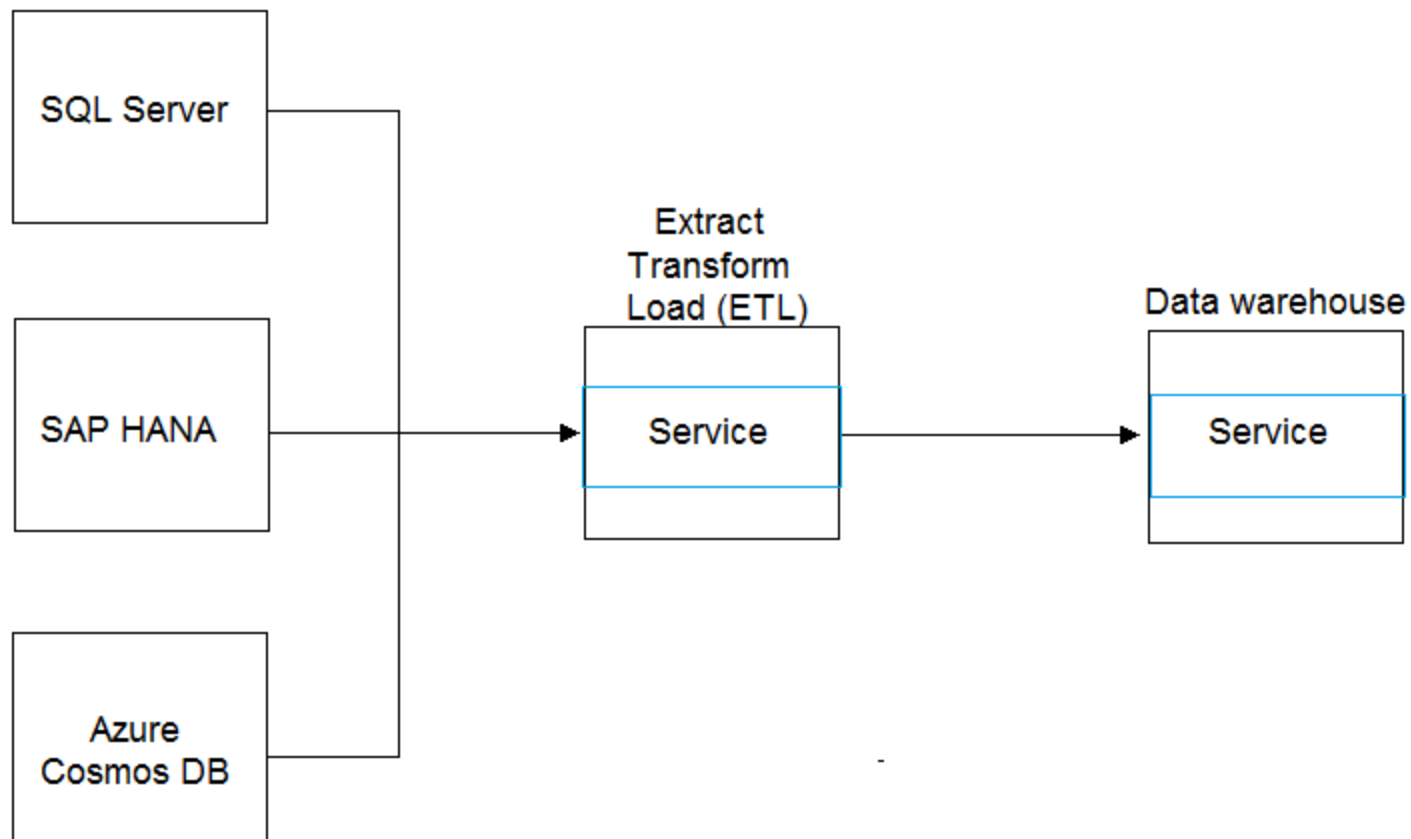
Azure Data Factory

Azure Table storage

Azure Cosmos DB

Azure Synapse Analytics

Answer Area



Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 169

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Databricks is an Apache Spark-based analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 170

Topic #: 1

[\[All DP-900 Questions\]](#)

Which scenario is an example of a streaming workload?

- A. sending transactions that are older than a month to an archive
- B. sending transactions daily from point of sale (POS) devices
- C. sending telemetry data from edge devices
- D. sending cloud infrastructure metadata every 30 minutes

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 171

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Batch workloads

	▼
process data in memory, row-by-row.	
collect and process data at most once a day.	
process data as new data is received in near real-time.	
collect data and then process the data when a condition is met.	

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 172

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements

Yes

No

Processing salary payments once a month is an example of a batch workload.

A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.

A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 173

Topic #: 1

[\[All DP-900 Questions\]](#)

A bar chart showing year-to-date sales by region is an example of which type of analytics?

- A. predictive
- B. prescriptive
- C. descriptive
- D. diagnostic

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 174

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 175

Topic #: 1

[\[All DP-900 Questions\]](#)

You need to perform hybrid transactional and analytical processing (HTAP) queries against Azure Cosmos DB data sources by using Azure Synapse Analytics. What should you use?

- A. Synapse pipelines
- B. a Synapse SQL pool
- C. Synapse Link
- D. Synapse Studio

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 176

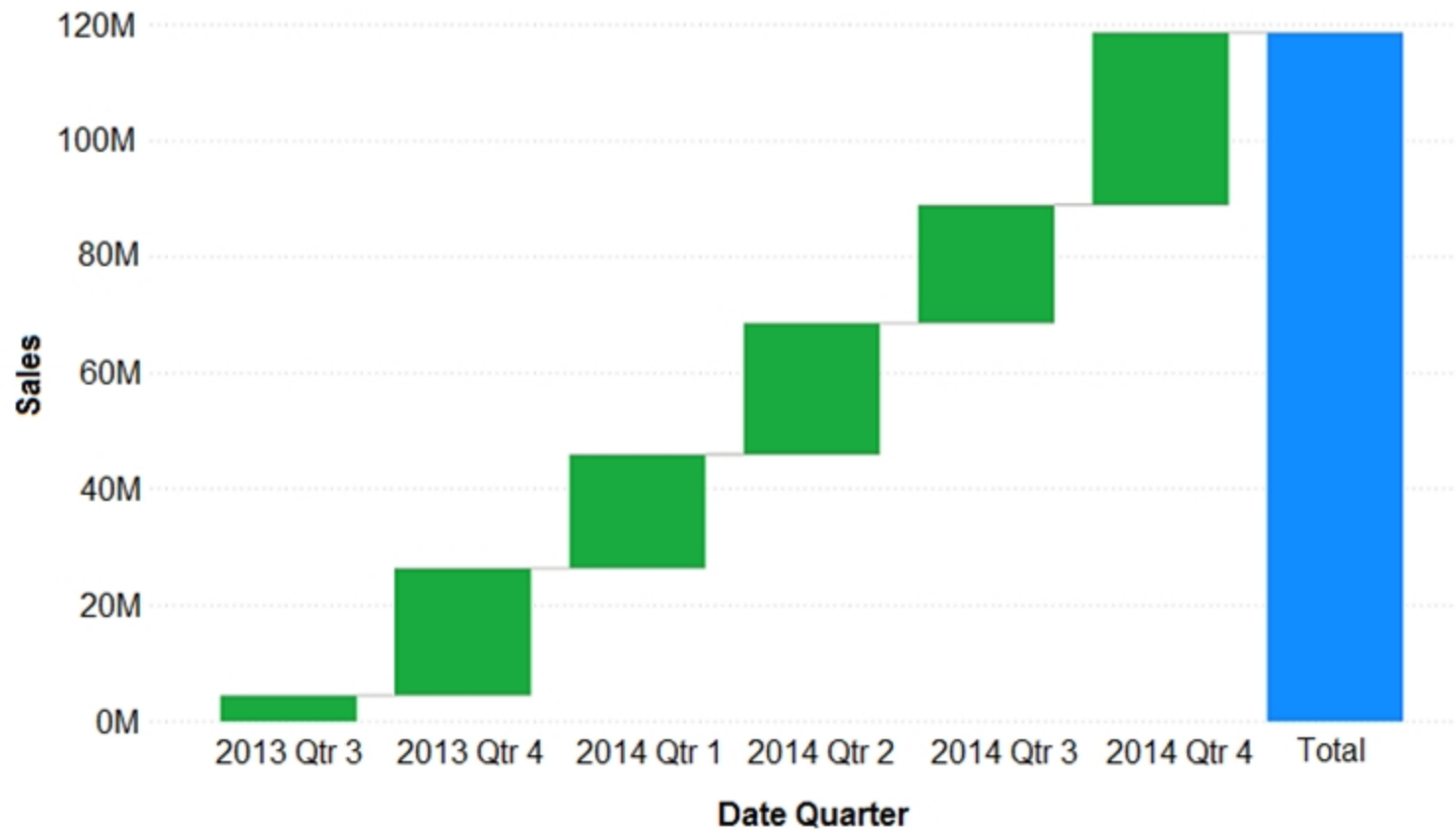
Topic #: 1

[\[All DP-900 Questions\]](#)

You need to create a visualization of running sales totals per quarter as shown in the following exhibit.

Sales by Year and Quarter

● Increase ● Decrease ● Total



What should you create in Power BI Desktop?

- A. a waterfall chart
- B. a ribbon chart
- C. a bar chart
- D. a decomposition tree

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 178

Topic #: 1

[\[All DP-900 Questions\]](#)

You have the following two tables of customer data.

CustomerID	NameStyle	Title	FirstName	MiddleName	LastName
29486	0	Ms.	Kim	NULL	Abercrombie
29489	0	Ms.	Frances	B.	Adams
29490	0	Ms.	Margaret	J.	Smith
29492	0	Mr.	Jay	NULL	Adams

CustomerID	AddressID	AddressType	ModifiedDate
29486	621	Main Office	9/1/05 0:00
29489	1069	Main Office	7/1/05 0:00
29490	887	Main Office	9/1/06 0:00
29492	618	Main Office	12/1/06 0:00
29494	537	Main Office	9/1/05 0:00

Which type of data do the tables contain?

- A. structured
- B. non-relational
- C. semi-structured
- D. unstructured

Show Suggested Answer

Actual exam question from Microsoft's DP-900

Question #: 179

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

You can query a graph database in Azure Cosmos DB

as nodes and edges by using the Gremlin language

as partitioned row store by using Cassandra Query Language (CQL)

as partitioned row store by using Language-Integrated Query (LINQ)

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 180

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure Blob Storage feature enables you to sync a Blob Storage account to an external cache?

- A. the Hot access tier
- B. change feed
- C. snapshots
- D. versioning

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 181

Topic #: 1

[\[All DP-900 Questions\]](#)

You have an on-premises Microsoft SQL Server database.

You need to migrate the database to the cloud. The solution must meet the following requirements:

- * Minimize maintenance effort.
- * Support the Database Mail and Service Broker features.

What should you include in the solution?

- A. Azure SQL Database single database
- B. an Azure SQL Database elastic pool
- C. Azure SQL Managed instance
- D. SQL Server on Azure virtual machines

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 184

Topic #: 1

[\[All DP-900 Questions\]](#)

Which two features distinguish Delta Lake from Azure Data Lake Storage? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. support for batch data
- B. schema enforcement
- C. support for an Apache Spark runtime
- D. transactional consistency
- E. support for streaming data

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 186

Topic #: 1

[\[All DP-900 Questions\]](#)

What is a function of a modern data warehouse?

- A. supports batch processing only
- B. supports real-time and batch processing
- C. provides built-in or native online analytical processing
- D. stores raw data only

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 187

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

An Azure Storage account must have enabled to support Azure Data Lake Storage.

- Blob soft delete
- Hierarchical namespace
- Large file shares
- Versioning

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 188

Topic #: 1

[\[All DP-900 Questions\]](#)

What can be used with native notebook support to query and visualize data by using a web-based interface?

- A. Azure Databricks
- B. pgAdmin
- C. Microsoft Power BI

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 189

Topic #: 1

[\[All DP-900 Questions\]](#)

You have data saved in the following format.

```
{
  "firstname": "John",
  "lastName": "Doe",
  "age": "23",
  "hobbies": [
    { "type": "Sports", "value": "Golf" },
    { "type": "Leisure", "value": "Reading" },
    { "type": "Leisure", "value": "Guitar" }
  ]
}
```

Which format was used?

- A. XML
- B. HTML
- C. YAML
- D. JSON

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 190

Topic #: 1

[\[All DP-900 Questions\]](#)

You have data saved in the following format.

```
<Person Age= "23">  
  <FirstName>John</FirstName>  
  <LastName>Smith</LastName>  
  <Hobbies>  
    <Hobby Type= "Sports">Golf</Hobby>  
    <Hobby Type= "Leisure">Reading</Hobby>  
    <Hobby Type= "Leisure">Guitar</Hobby>  
  </Hobbies>  
</Person>
```

Which format was used?

- A. JSON
- B. YAML
- C. HTML
- D. XML

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 191

Topic #: 1

[\[All DP-900 Questions\]](#)

Which database transaction property ensures that transactional changes to a database are preserved during unexpected operating system restarts?

- A. consistency
- B. atomicity
- C. durability
- D. isolation

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 194

Topic #: 1

[\[All DP-900 Questions\]](#)

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

- A. atomicity
- B. durability
- C. isolation
- D. consistency

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 195

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

	▼
A clustered index	
A FileTable	
A foreign key	
A stored procedure	

is an object associated with a table that sorts on their key values.

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 196

Topic #: 1

[\[All DP-900 Questions\]](#)

Which Azure Storage service implements the key/value model?

- A. Azure Queue
- B. Azure Files
- C. Azure Table
- D. Azure Blob

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 197

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Social media users and followers in a graph database is an example of

	▼
semi-structured data.	
structured data.	
unstructured data.	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 200

Topic #: 1

[\[All DP-900 Questions\]](#)

You plan to deploy an app. The app requires a nonrelational data service that will provide latency guarantees of less than 10-ms for reads and writes. What should you include in the solution?

- A. Azure Blob storage
- B. Azure Files
- C. Azure Table storage
- D. Azure Cosmos DB

[Show Suggested Answer](#)



Actual exam question from Microsoft's DP-900

Question #: 201

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

A non-relational database

	▼
imposes a fixed schema on data	
store entities without a unique key value	
stores data in relational tables	
stores data without a fixed schema	

Show Suggested Answer



Actual exam question from Microsoft's DP-900

Question #: 202

Topic #: 1

[\[All DP-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
In a transactional database that guarantees atomicity, all statements in a transaction must complete successfully or the transaction must roll back.	<input type="radio"/>	<input type="radio"/>
In a transactional database that guarantees consistency, all data changes will be logged and accounted for.	<input type="radio"/>	<input type="radio"/>
In a transactional database that guarantees isolation, processes can see only data in a consistent state.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer





Actual exam question from Microsoft's DP-900

Question #: 203

Topic #: 1

[\[All DP-900 Questions\]](#)

You have data saved in the following format.

```
FirstName, LastName, Age, LeisureHobby, SportsHobby  
John, Smith, 23, Reading, Backteball  
Ben, Smith, 21, Guitar Curling
```

Which format was used?

- A. YAML
- B. CSV
- C. JSON
- D. HTML

Show Suggested Answer

