

Microsoft

DP-900

Microsoft Azure Data Fundamentals

QUESTION & ANSWERS

QUESTION 1

HOTSPOT

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

Correct Answer:

Answer Area

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

writes that have varying data structures.

QUESTION 2

HOTSPOT

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

Correct Answer:

Answer Area

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language.

QUESTION 3

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

Correct Answer: B,C

QUESTION 4

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

Correct Answer: B

Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-us/services/sql-database/#features>

QUESTION 5

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

Correct Answer: B

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-files>

QUESTION 6

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.

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"/>

Correct Answer:

Answer Area

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

QUESTION 7

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

Correct Answer: B

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-access-control>

QUESTION 8

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.

Answer Area

◀ ▶ ⏪ ⏩

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

◀ ▶ ⏪ ⏩

Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input checked="" type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 9

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.

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	

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	

Correct Answer:

Explanation/Reference:

Reference:

https://www.w3schools.com/js/js_json_arrays.asp

https://www.w3schools.com/js/js_json_objects.asp

QUESTION 10

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. columnar
- C. graph
- D. time series

Correct Answer: A

QUESTION 11

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

- A. multi-master replication
- B. Availability Zones
- C. automatic failover

D. the strong consistency level

Correct Answer: B

QUESTION 12

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

You recently changed your external IP address.

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

Correct Answer: D