

# DP-900<sup>Q&As</sup>

Microsoft Azure Data Fundamentals

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**QUESTION 1**

Which type of Azure resource supports the serverless configuration of an Azure SQL database?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines
- C. a single database in Azure SQL Database
- D. an Azure SQL Database elastic pool

Correct Answer: B

**QUESTION 2**

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)

Correct Answer:

## Answer Area

PostgreSQL on Azure VMs:

▼
Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

Azure Database for PostgreSQL:

▼
Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

Reference: <https://azure.microsoft.com/en-us/overview/what-is-saas/> <https://azure.microsoft.com/en-us/overview/what-is-paas/>

### QUESTION 3

#### 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:

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:

Yes No

Relational database tables contain columns and rows.

 

Indexes in a relational database describe the data types in a table.

 

A database view is a virtual table whose content is defined by a query.

 

Box 1: Yes

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the

record.

Box 2: No

An index is an on-disk structure associated with a table or view that speeds retrieval of rows from the table or view.

Box 3: Yes

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/tables/tables>

<https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described>

<https://docs.microsoft.com/en-us/sql/relational-databases/views/views?view=sql-server-ver15>

#### QUESTION 4

##### HOTSPOT

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

Creating closed caption text for audio files is an example of

	▼
cognitive	
descriptive	
predictive	
prescriptive	

analytics.

Hot Area:

Creating closed caption text for audio files is an example of

	▼
cognitive	
descriptive	
predictive	
prescriptive	

analytics.

Correct Answer:

Creating closed caption text for audio files is an example of

	▼
cognitive	
descriptive	
predictive	
prescriptive	

analytics.

			
<b>Descriptive</b> <i>What's happening?</i>	<b>Diagnostic</b> <i>Why's happening?</i>	<b>Predictive</b> <i>What will happen?</i>	<b>Prescriptive</b> <i>What actions should we take?</i>

Note: Azure Media Indexer enables you to make content of your media files searchable and to generate a full-text transcript for closed captioning and keywords. You can process one media file or multiple media files in a batch.

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**QUESTION 5**

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

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

Correct Answer: B

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

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