Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals

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NEW QUESTION 1
Which command-line tool can you use to query Azure SQL databases?

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

Answer: D

NEW QUESTION 2
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. (Choose three.)
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.

Answer: ACE

NEW QUESTION 3
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.
NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 4
To complete the sentence, select the appropriate option in the answer area.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 5

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	○	○
Normalizing a database reduces data redundancy.	○	○
Normalization improves data integrity.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	○	[○]
Normalizing a database reduces data redundancy.	[○]	○
Normalization improves data integrity.	[○]	○

NEW QUESTION 6

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

Answer: B

NEW QUESTION 7

You have an application that runs on Windows and requires across to a mapped drive. Which Azure service should you use?

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

Answer: A

NEW QUESTION 8

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

A. SELECT
B. JOIN
C. MERGE
D. CREATE

Answer: D

NEW QUESTION 9

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	○	○
Azure Analysis Services is used for transactional workloads.	○	○
Azure Data Factory orchestrates data integration workflows.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	○	○
Azure Analysis Services is used for transactional workloads.	○	○
Azure Data Factory orchestrates data integration workflows.	○	○

NEW QUESTION 10
To complete the sentence, select the appropriate option in the 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 10
You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours. You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact.
What should you do on the 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

Answer: B

NEW QUESTION 11
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

Answer: D

NEW QUESTION 13
Which two Azure services can be used to provision Spark clusters? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: AD

NEW QUESTION 18
You have the following SQL query.

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

NOTE: Each correct selection is worth one point.

Answer Area

Dbo.Products: A column / A database / A table / An index

ProductName: A column / A database / A table / An index

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Dbo.Products: A table

ProductName: A column

NEW QUESTION 22
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.

APIs: Cassandra API / Gremlin API / MongoDB API / Table API

Answer Area:
Graph data
JSON documents
Key/value data

A. Mastered
B. Not Mastered

Answer: A

Explanation:

APIs	Answer Area	
Cassandra API	Gremlin API	Graph data
Gremlin API	MongoDB API	JSON documents
MongoDB API	Table API	Key/value data
Table API		

NEW QUESTION 23
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.

Terms	Answer Area	
Index		A database object that holds data
View		A database object whose content is defined by a query
Table		A database object that helps improve the speed of data retrieval

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Terms	Answer Area	
Index	Table	A database object that holds data
View	View	A database object whose content is defined by a query
Table	Index	A database object that helps improve the speed of data retrieval

NEW QUESTION 27
Match the Azure services to appropriate requirements.
To answer, drag the appropriate services 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.

Azure Services			Answer Area	
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database	Azure Service	Output data to Parquet format.
Azure Synapse Analytics			Azure Service	Store data that is in Parquet format.
			Azure Service	Persist a tabular representation of data that is stored in Parquet format.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Azure Services			Answer Area	
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database	Azure Data Factory	Output data to Parquet format.
Azure Synapse Analytics			Azure Data Lake Storage	Store data that is in Parquet format.
			Azure Synapse Analytics	Persist a tabular representation of data that is stored in Parquet format.

NEW QUESTION 29
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.

Data Store Types

| Graph |
| Object |
| Key/value |

Answer Area

	Application users and their default language
	Medical images and their associated metadata
	Employee data that shows the relationships between employees

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Data Store Types

| Graph |
| Object |
| Key/value |

Answer Area

Key/value	Application users and their default language
Object	Medical images and their associated metadata
Graph	Employee data that shows the relationships between employees

NEW QUESTION 31

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. Each location may be used 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 36

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

Answer: C

NEW QUESTION 39

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	○	○
You can use blob, table, and file storage in the same Azure Storage account.	○	○
You implement Azure Data Lake Storage by creating an Azure Storage account.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	○	○
You can use blob, table, and file storage in the same Azure Storage account.	○	○
You implement Azure Data Lake Storage by creating an Azure Storage account.	○	○

NEW QUESTION 43
Your company is designing a data store tor 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

Answer: A

NEW QUESTION 46
Which three objects can be added to a Microsoft Power BI dashboard? Each correct answer presents a complete solution. (Choose three.)
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

Answer: ACE

NEW QUESTION 50
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

Answer: B

NEW QUESTION 51
To complete the sentence, select the appropriate option in the answer area.

A clustered index	is an object associated with a table that sorts
A FileTable	and stores the data rows in the table based on
A foreign key	their key values.
A stored procedure	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

A clustered index	is an object associated with a table that sorts
A FileTable	and stores the data rows in the table based on
A foreign key	their key values.
A stored procedure	

NEW QUESTION 56
When you create an Azure SQL database, which account can always connect to the database ?

A. the Azure Active director/ (Azure AO) account that created the database
B. the Azure Active Directly Azure AD) administrator account
C. the sa account
D. the server admin login account of the logical server

Answer: B

NEW QUESTION 59
You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to persist the SQL query so that other users can use the query. What should you create?

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

Answer: B

NEW QUESTION 62
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 |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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 |

NEW QUESTION 64
You need to create an Azure Storage account.
Data in the account must replica outside the Azure region automatically.
Which two types of replica can you us for the storage account? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one pint.

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

Answer: AC

NEW QUESTION 67
To complete the sentence, select the appropriate option in the 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. |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

A relational database must be used when [dropdown]
- a dynamic schema is required.
- data will be stored as key/value pairs.
- storing large images and videos.
- strong consistency guarantees are required.

NEW QUESTION 68
To complete the sentence, select the appropriate option in the answer area.

Answer Area

Relational data is stored in [dropdown]
- a file system as unstructured data.
- a hierarchical folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in [dropdown]
- a file system as unstructured data.
- a hierarchical folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

NEW QUESTION 70
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 [dropdown]
- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of [dropdown]
- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

NEW QUESTION 73
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