Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals

NEW QUESTION 1
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. Online Transaction Processing (OLTP)
C. batch processing
D. Online Analytical Processing (OLAP)

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.

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

Answer Area

Relational data uses [collections / columns / keys / partitions] to enforce relationships between different tables.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses [collections / columns / keys / partitions] to enforce relationships between different tables.

NEW QUESTION 5

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

	is a virtual table that contains content defined by a query.
A heap
A stored procedure
A view
An index

A. Mastered
B. Not Mastered

Answer: A

Explanation:

	is a virtual table that contains content defined by a query.
A heap
A stored procedure
A view
An index

NEW QUESTION 6
To complete the sentence, select the appropriate option in the 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 7
Which two activities can be performed entirely by using the Microsoft Power BI service? Each correct answer presents a complete solution. (Choose two.)
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

Answer: AD

NEW QUESTION 8
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
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 administrators with the ability to control and update the operating system version.	○	○
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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 administrators with the ability to control and update the operating system version.	○	☑
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	☑	○

NEW QUESTION 9
Match the Azure Data Lake Storage 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.

Azure Storage account	File share
File system	

Level
Level

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Terms

Azure Storage account	File share
File system	

Answer Area

Azure Resource Group
└ Azure Storage account
  └ File share
    └ Folders
      └ Files

NEW QUESTION 10
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

Answer: A

NEW QUESTION 10
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 11
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
A pipeline is a representation of a data structure within Azure Data Factory.	○	○
Azure Data Factory pipelines can execute other pipelines.	○	○
A processing step within an Azure Data Factory pipeline is an activity.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A pipeline is a representation of a data structure within Azure Data Factory.	○	☑
Azure Data Factory pipelines can execute other pipelines.	☑	○
A processing step within an Azure Data Factory pipeline is an activity.	○	☑

NEW QUESTION 12
You need to use Transact-SQL to query files in Azure Data Lake Storage 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

Answer: C

NEW QUESTION 14
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		
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database
Azure Synapse Analytics		

Answer Area	
Azure Service	Output data to Parquet format.
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		
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database
Azure Synapse Analytics		

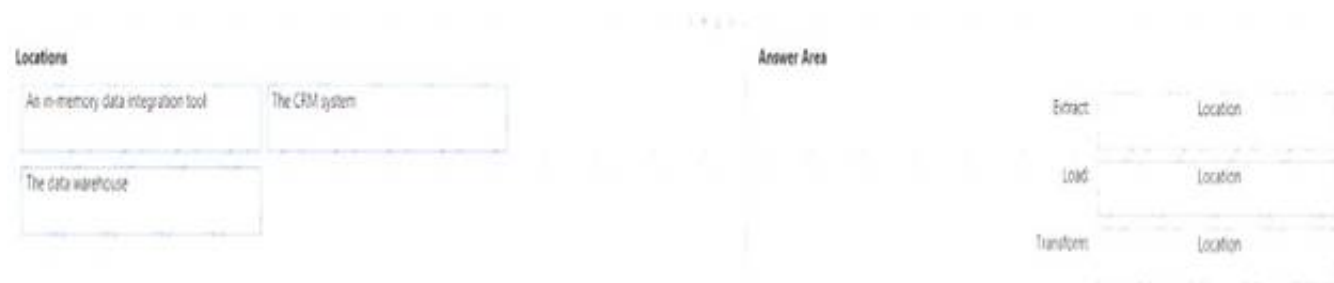| Answer Area	
Azure Data Factory	Output data to Parquet format.
Azure Data Lake Storage	Store data that is in Parquet format.
Azure Synapse Analytics	Persist a tabular representation of data that is stored in Parquet format.

NEW QUESTION 17
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 19
What are two uses of data visualization? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AC

NEW QUESTION 21
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 26
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

Answer: A

NEW QUESTION 28
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 (OLTP)
D. Online Transaction Processing (OLTP)

Answer: D

NEW QUESTION 32
Your company needs to design a database that shows how changes traffic in one area of a network affect other components on the network.
Which type of data store should you use?

A. Key/value
B. Graph

C. Document
D. columnar

Answer: B

NEW QUESTION 34
You need to recommend a non-relational data store that is optimized for storing and retrieving files, videos, audio stream, 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. document
B. key/value
C. object
D. columnar

Answer: C

NEW QUESTION 37
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 42
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 45
To complete the sentence, select the appropriate option in the answer area.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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. |

NEW QUESTION 46

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 51
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