

Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals



NEW QUESTION 1

Select the answer that correctly completes the sentence.
 Select the answer that correctly completes the sentence.

Microsoft Power BI Desktop provides a full range of Power BI data modeling and report editing features.

Answer Area

Microsoft Power BI Desktop provides a full range of Power BI data modeling and report editing features.

Microsoft Power BI Desktop
 The Microsoft Power BI service
 The Microsoft Power BI phone app

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, letter Description automatically generated

NEW QUESTION 2

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

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

Answer: B

NEW QUESTION 3

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

Creating closed caption text for audio files is an example of

analytics.

cognitive
 descriptive
 predictive
 prescriptive

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with low confidence

Descriptive, to answer the question: What's happening? Company name Description automatically generated

The diagram illustrates four levels of analytics:

- Descriptive:** Represented by a speedometer icon, with the question "What's happening?"
- Diagnostic:** Represented by a magnifying glass icon, with the question "Why's happening?"
- Predictive:** Represented by a lightbulb icon, with the question "What will happen?"
- Prescriptive:** Represented by a square icon with an upward arrow and 'X' marks, with the question "What actions should we take?"

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.

NEW QUESTION 4

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:	<input type="checkbox"/> A column <input type="checkbox"/> A database <input type="checkbox"/> A table <input type="checkbox"/> An index
ProductName:	<input type="checkbox"/> A column <input type="checkbox"/> A database <input type="checkbox"/> A table <input type="checkbox"/> An index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

dbo.Products:	<input checked="" type="checkbox"/> A column <input type="checkbox"/> A database <input type="checkbox"/> A table <input type="checkbox"/> An index
ProductName:	<input checked="" type="checkbox"/> A column <input type="checkbox"/> A database <input type="checkbox"/> A table <input type="checkbox"/> An index

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
Azure Databricks is an Apache Spark-based collaborative 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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 6

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

In Azure Data Factory, you can use to orchestrate pipeline activities that depend on the output of other pipeline activities.

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 7

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

Answer: D

NEW QUESTION 8

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

- A. a linked service
- B. an integration runtime
- C. a control flow
- D. a pipeline

Answer: B

Explanation:

The Integration Runtime (IR) is the compute infrastructure used by Azure Data Factory to provide the following data integration capabilities across different network environments:

- > Data Flow
- > Data movement
- > Activity dispatch
- > SSIS package execution

NEW QUESTION 9

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

Answer Area

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Generally speaking, data analytics comes in four types (Figure 1): Descriptive, to answer the question: What's happening? Diagnostic, to answer the question: Why's happening? Predictive, to answer the question: What will happen? Prescriptive, to answer the question: What actions should we take?

NEW QUESTION 10

Which three actions are used when performing diagnostic analytics?

- A. • Identify data anomalies• Collect anomaly-related data• Discover relationships and trends that explain anomalies.
- B. • Identify data anomalies• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- C. • Apply self-learning loops to draw inferences from anomalies.• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- D. • Identify data anomalies• Use machine learning to find patterns in large datasets.• Discover relationships and trends that explain anomalies.

Answer: A

NEW QUESTION 10

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: AB

Explanation:

Data visualization is a key component in being able to gain insight into your data. It helps make big and small data easier for humans to understand. It also makes it easier to detect patterns, trends, and outliers in groups of data. Data visualization brings data to help you find key business insights quickly and effectively.

NEW QUESTION 14

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 17

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

- A. INSERT
- B. DISABLE
- C. ALTER
- D. DROP

Answer: A

Explanation:

Data Manipulation Language (DML) statements:

- > DELETE
- > INSERT
- > UPDATE

NEW QUESTION 22

Which type of database contains nodes and edges?

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

Answer: A

NEW QUESTION 26

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 30

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 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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 33

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Big data solutions often use long-running batch jobs to filter, aggregate, and otherwise prepare the data for analysis. Usually these jobs involve reading source files from scalable storage (like HDFS, Azure Data Lake Store, and Azure Storage), processing them, and writing the output to new files in scalable storage.

Box 2: No

Box 3: No

NEW QUESTION 38

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

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.

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

YES, NO, YES Normalizing decreases throughput for reading (need to make joins), but increases for writing (Less to write, since there are no duplicates)

NEW QUESTION 43

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 44

What is a characteristic of a non-relational database?

- A. a fixed schema
- B. self-describing entities
- C. full support for Transact-SQL

Answer: C

NEW QUESTION 45

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

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

Answer: C

NEW QUESTION 47

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

The API determines the type of account to create. Azure Cosmos DB provides five APIs: Core (SQL) and MongoDB for document data, Gremlin for graph data, Azure Table, and Cassandra. Currently, you must create a separate account for each API.

Box 2: Yes

Azure Cosmos DB uses partitioning to scale individual containers in a database to meet the performance needs of your application. In partitioning, the items in a container are divided into distinct subsets called logical partitions. Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

Box 3: No

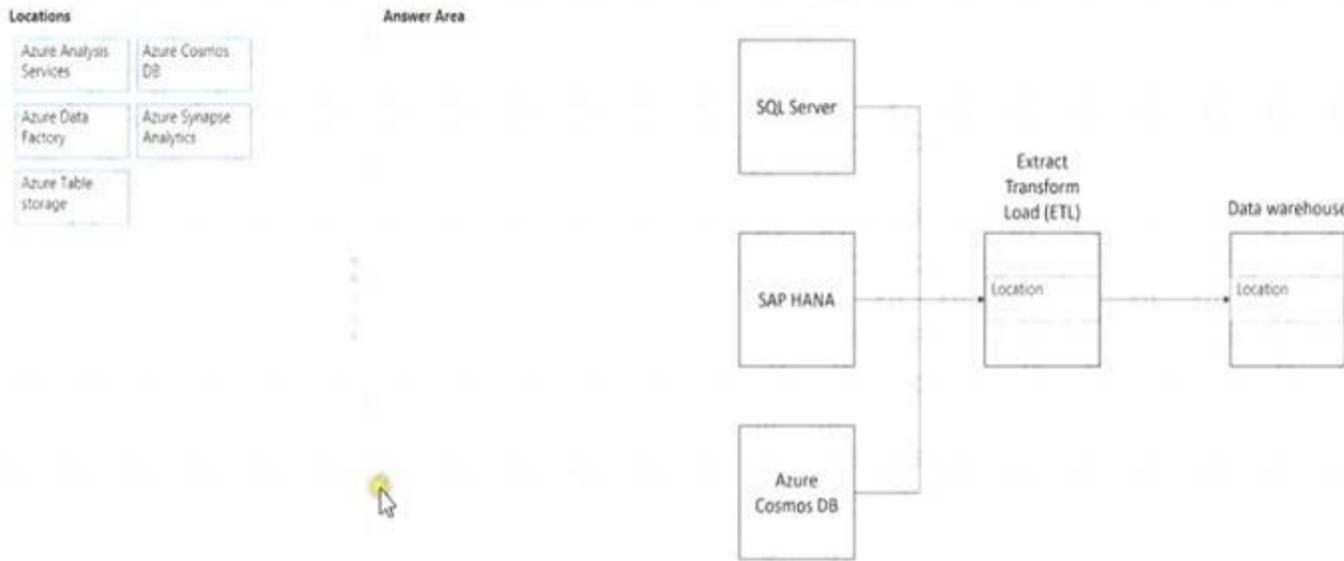
Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

NEW QUESTION 50

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.

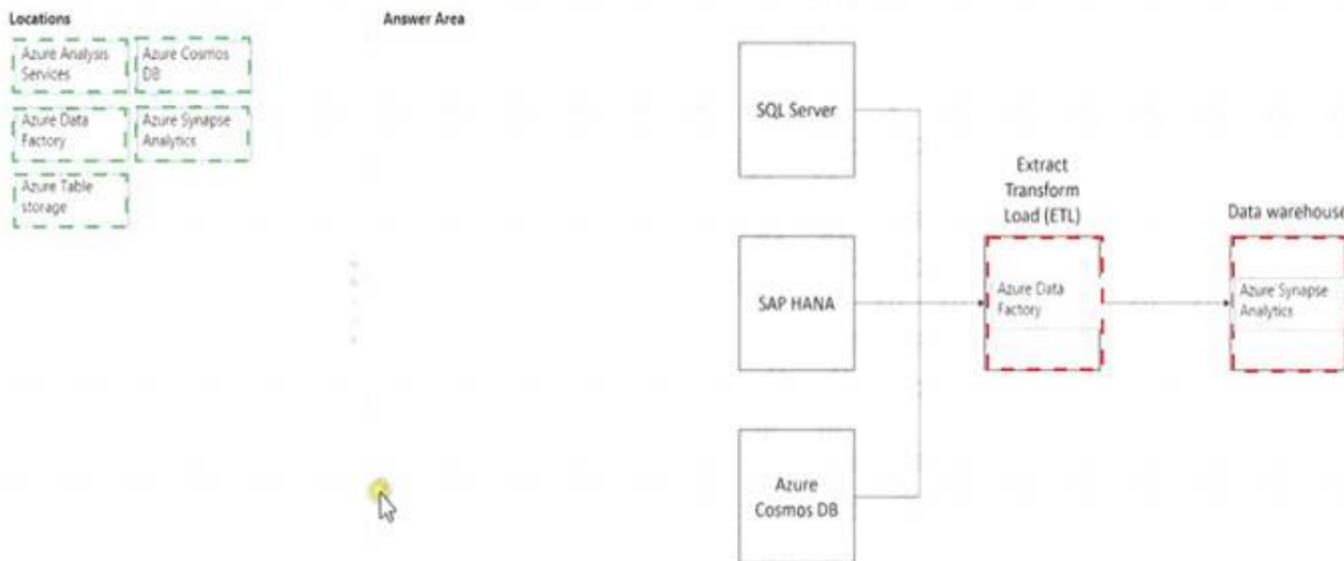
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 53

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:

Microsoft SQL Server Management Studio (SSMS)	A graphical tool for managing SQL Server or Azure SQL databases that supports access, configuration, management, and administration tasks.
Microsoft Visual Studio Code	A lightweight source code editor with an mssql extension that supports connections to SQL Server and a rich editing experience for T-SQL.
Azure Data Studio	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files.
Microsoft SQL Server Data Tools (SSDT)	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.

NEW QUESTION 54

What are two characteristics of real-time data processing? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AB

Explanation:

Real time processing deals with streams of data that are captured in real-time and processed with minimal latency to generate real-time (or near-real-time) reports or automated responses.

NEW QUESTION 56

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

presents content defined by a query.

A heap

A stored procedure

A view

An index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A View

NEW QUESTION 59

You have a transactional application that stem 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).

Answer: A

Explanation:

Use read-only replicas to offload read-only query workloads.

NEW QUESTION 61

Select the answer that correctly completes the sentence.

Answer Area

Get a random question

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Select a capture mode

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

NEW QUESTION 64

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

Answer: B

NEW QUESTION 68

You need to develop a solution to provide data to executives. the solution must provide an interactive graphic interface, depict various key performance indications, and support data exploration by using drill down. What should you use in Microsoft Power BI?

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

Answer: D

NEW QUESTION 72

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Backing up and restoring data are the responsibilities of a

NEW QUESTION 77

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

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

Answer: A

NEW QUESTION 79

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

Answer Area

A key/value data store is optimized for

- enforcing constraints.
- simple lookups.
- table joins.
- transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: simple lookups

A key/value store associates each data value with a unique key. Most key/value stores only support simple query, insert, and delete operations. To modify a value (either partially or completely), an application must overwrite the existing data for the entire value. In most implementations, reading or writing a single value is an atomic operation.

An application can store arbitrary data as a set of values. Any schema information must be provided by the application. The key/value store simply retrieves or stores the value by key.

NEW QUESTION 82

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a data warehousing workload, data from multiple sources is combined in a single location.

NEW QUESTION 86

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

NOTE: Each correct selection is worth one point.

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

Answer: BC

NEW QUESTION 87

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With a hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

NEW QUESTION 90

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.

Locations

An in-memory data integration tool	The CRM system
The data warehouse	

Answer Area

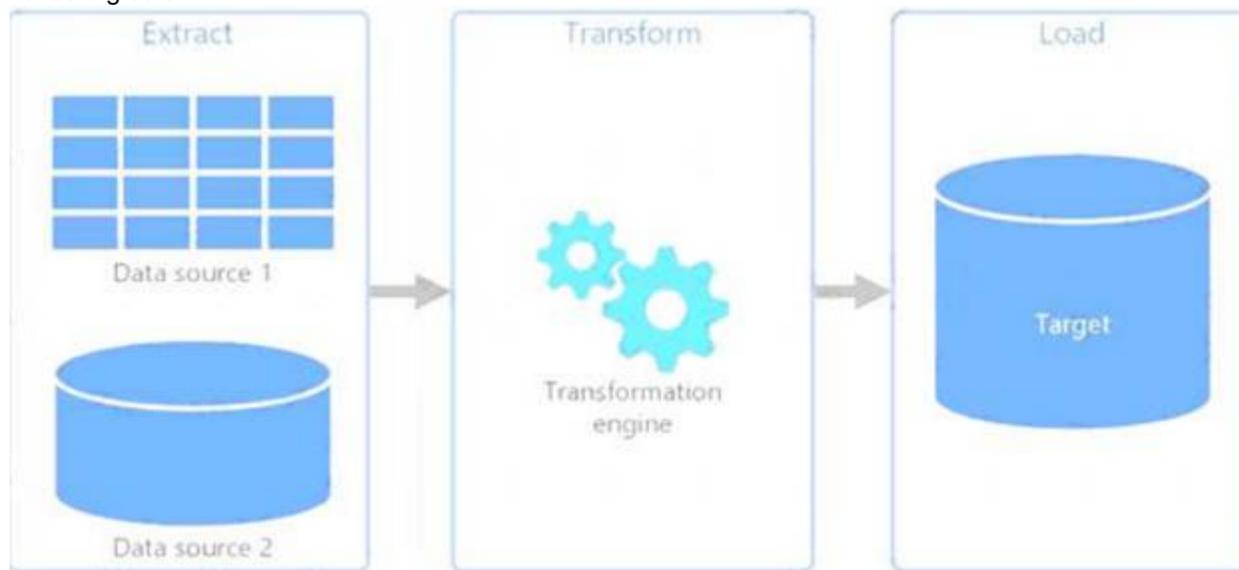
Extract:	Location
Load:	Location
Transform:	Location

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: The CRM system
 Data is extracted from the CRM system. Box 2: The data warehouse
 Data is loaded to the data warehouse.
 Box 3: An in-memory data integration tool
 The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and validating data.



NEW QUESTION 91

Select the answer that correctly completes the sentence.

Answer Area

is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator

NEW QUESTION 93

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

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

<input type="radio"/> a matching schema in the data source and the data target. <input type="radio"/> a target data store powerful enough to transform data. <input type="radio"/> data that is fully processed before being loaded to the target data store. <input type="radio"/> that the data target be a relational database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

<input type="radio"/> a matching schema in the data source and the data target. <input type="radio"/> a target data store powerful enough to transform data. <input type="radio"/> data that is fully processed before being loaded to the target data store. <input checked="" type="radio"/> that the data target be a relational database.
--

NEW QUESTION 95

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 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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 100

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.



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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Dataset

Datasets must be created from paths in Azure datastores or public web URLs, for the data to be accessible by Azure Machine Learning.

Box 2: Linked service

Linked services are much like connection strings, which define the connection information needed for Data Factory to connect to external resources.

Box 3: Pipeline

A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 101

Your company recently reported sales from the third quarter. You have the chart shown in the following exhibit.



Which type of analysis is shown for the fourth quarter?

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

Answer: A

NEW QUESTION 102

Select the answer that correctly completes the sentence.

Answer Area

can be used as part of a lift-and-shift solution for migrating an on-premises application to the cloud with minimal changes.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An instance of SQL Server on Azure Virtual Machines can be used as part of a lift-and-shift solution for migrating an on-premises application to the cloud with minimal changes.

NEW QUESTION 107

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

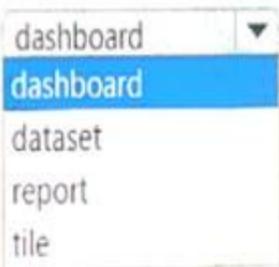
Explanation:

Box 1: No
 A pipeline is a logical grouping of activities that together perform a task.
 Box 2: Yes
 You can construct pipeline hierarchies with data factory.
 Box 3: Yes
 A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 109

Select the answer that correctly completes the sentence.

Answer Area

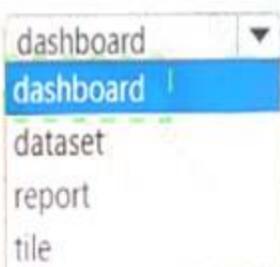
In Microsoft Power BI, a  is a collection of visualizations that appear together on one or more pages.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In Microsoft Power BI, a  is a collection of visualizations that appear together on one or more pages.

NEW QUESTION 114

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated with medium confidence

NEW QUESTION 119

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A key/value data store is optimized for

NEW QUESTION 120

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

Batch workloads

<input type="text"/>
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

<input type="text"/>
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 124

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.	<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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 125

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
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 upgrading the database engine.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No
 Microsoft handles all patching and updating of the SQL and operating system code. You don't have to manage the underlying infrastructure.
 Box 2: Yes
 SQL Database is a fully managed service that has built-in high availability, backups, and other common maintenance operations.
 Box 3: No

NEW QUESTION 126

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
You must apply patches 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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 130

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 135

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when strong consistency guarantees are required.

NEW QUESTION 136

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.

Terms

Azure Storage account File share

File system

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Terms

Azure Storage account File share

File system



Box 1: Azure Storage account

Azure file shares are deployed into storage accounts, which are top-level objects that represent a shared pool of storage.

Box 2: File share

NEW QUESTION 141

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.

Locations

Answer Area

A standalone data analysis tool	Extract:	
The CRM system	Load:	
The data warehouse	Transform:	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

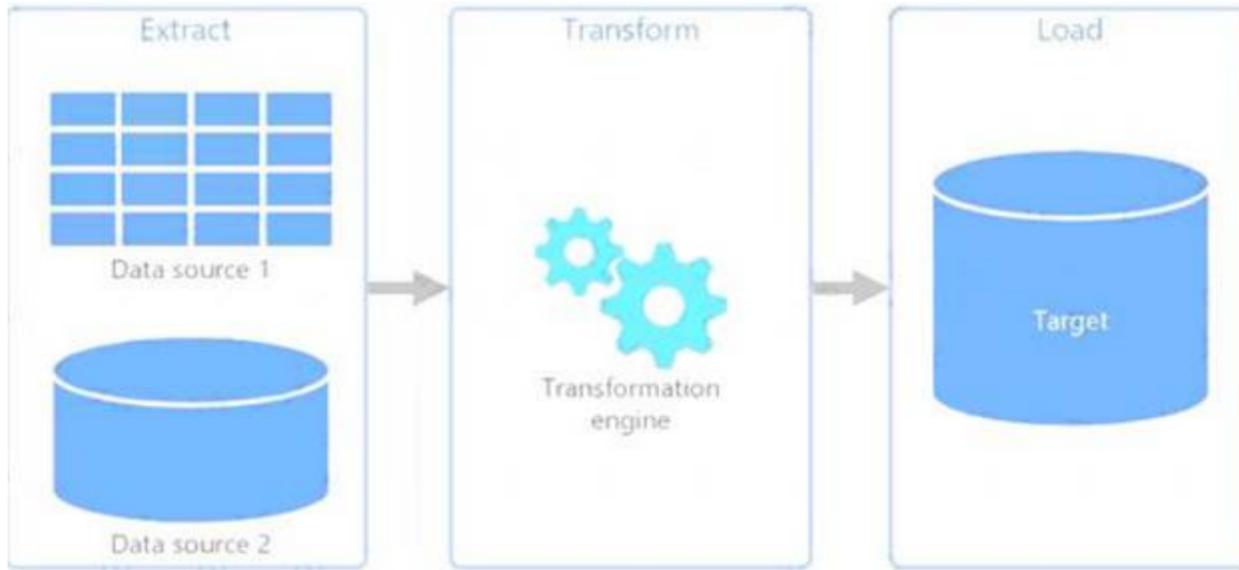
Box 1: The CRM system

Data is extracted from the CRM system. Box 2: The data warehouse

Data is loaded to the data warehouse. Box 3: A standalone data analysis tool

The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and validating data.

Graphical user interface, text, application Description automatically generated



NEW QUESTION 142

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

Answer: A

NEW QUESTION 145

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

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

Answer: A

NEW QUESTION 150

Select the answer that correctly completes the sentence. See the answer below:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 153

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.

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.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Components

- Authentication
- Firewall
- Encryption

Answer Area

- Firewall Prevent access to an Azure SQL database from another network.
- Authentication Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
- Encryption Ensure that sensitive data never appears as plain text in an Azure SQL database.

NEW QUESTION 158

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A clustered index is an object associated with a table that sorts and stores data rows based on their key values.

NEW QUESTION 160

What should you use to automatically delete blobs from Azure Blob Storage?

- A. soft delete
- B. archive storage
- C. the change feed
- D. a lifecycle management policy

Answer: D

NEW QUESTION 161

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

Answer: B

NEW QUESTION 166

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 169

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

Answer: C

NEW QUESTION 174

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

Answer: B

NEW QUESTION 175

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.

Activity Types	Answer Area
Control	<input type="text"/> Copy
Data movement	<input type="text"/> Mapping data flow
Data transformation	<input type="text"/> Until

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Activity Types

- Control
- Data movement
- Data transformation

Answer Area

- Data movement Copy
- Data transformation Mapping data flow
- Control Until

NEW QUESTION 177

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

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

Answer: D

Explanation:

Data Manipulation Language (DML) affect the information stored in the database. Use these statements to insert, update, and change the rows in the database. BULK INSERT DELETE INSERT SELECT UPDATE MERGE

NEW QUESTION 181

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

Transcribing audio files is an example of analytics.

▼

cognitive

descriptive

predictive

prescriptive

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of analytics.

▼

cognitive

descriptive

predictive

prescriptive

NEW QUESTION 183

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

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

Answer: A

NEW QUESTION 187

You need to create an Azure resource to store data in Azure Table storage. Which command should you run?

- A. az scorage share create
- B. az scorage account creace
- C. az cosmosdb creace
- D. az scorage concainer creace

Answer: D

NEW QUESTION 188

Which component of Azure Data Factory enables you to define a sequence of activities including for each iterators?

- A. control flow
- B. linked services
- C. datasets
- D. the integration runtime

Answer: A

NEW QUESTION 193

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 194

What is a characteristic of non-relational data?

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

Answer: D

NEW QUESTION 199

At which level in Azure Cosmos DB can you configure multiple write regions and read regions?

- A. database
- B. partition
- C. collection
- D. account

Answer: C

NEW QUESTION 201

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

natively support the analysis of relationships between entities.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

NEW QUESTION 203

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

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

▼
 account
 container
 database
 item

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

NEW QUESTION 208

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.	<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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 210

Select the answer that correctly completes the sentence.

Answer Area

A JSON document is an example of

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A JSON document is an example of ▼

NEW QUESTION 211

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 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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Compute is separate from storage, which enables you to scale compute independently of the data in your system.

Box 2: Yes

You can use the Azure portal to pause and resume the dedicated SQL pool compute resources.

Pausing the data warehouse pauses compute. If your data warehouse was paused for the entire hour, you will not be charged compute during that hour.

Box 3: No

Storage is sold in 1 TB allocations. If you grow beyond 1 TB of storage, your storage account will automatically grow to 2 TBs.

NEW QUESTION 215

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

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

- A view
- A clustered index
- A stored procedure
- A nonclustered index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

NEW QUESTION 216

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

Answer: BDF

NEW QUESTION 218

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 the computers. The developers require code assistance features such as IntelliSense. What should the developers use ?

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

Answer: A

Explanation:

Azure Data Studio is a cross-platform database tool for data professionals who use on-premises and cloud data platforms on Windows, macOS, and Linux. Azure Data Studio offers a modern editor experience with IntelliSense, code snippets, source control integration, and an integrated terminal.

NEW QUESTION 219

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

By default, each Azure SQL database is protected by

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

NEW QUESTION 223

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

Answer Area

You can query a graph database in Azure Cosmos DB

<ul style="list-style-type: none"> 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:

Answer Area

You can query a graph database in Azure Cosmos DB

<ul style="list-style-type: none"> 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 226

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

Answer Area

Relational data is stored in

- a file system as unstructured data.
- a hierarchal 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

- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

NEW QUESTION 229

What is used to define a query in a stream processing jobs in Azure Stream Analytics?

- A. XML
- B. KQL
- C. YAML
- D. SQL

Answer: D

NEW QUESTION 233

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 234

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the

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

uniquely identifies each row in a table.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

primary key

foreign key

primary key

WHERE clause

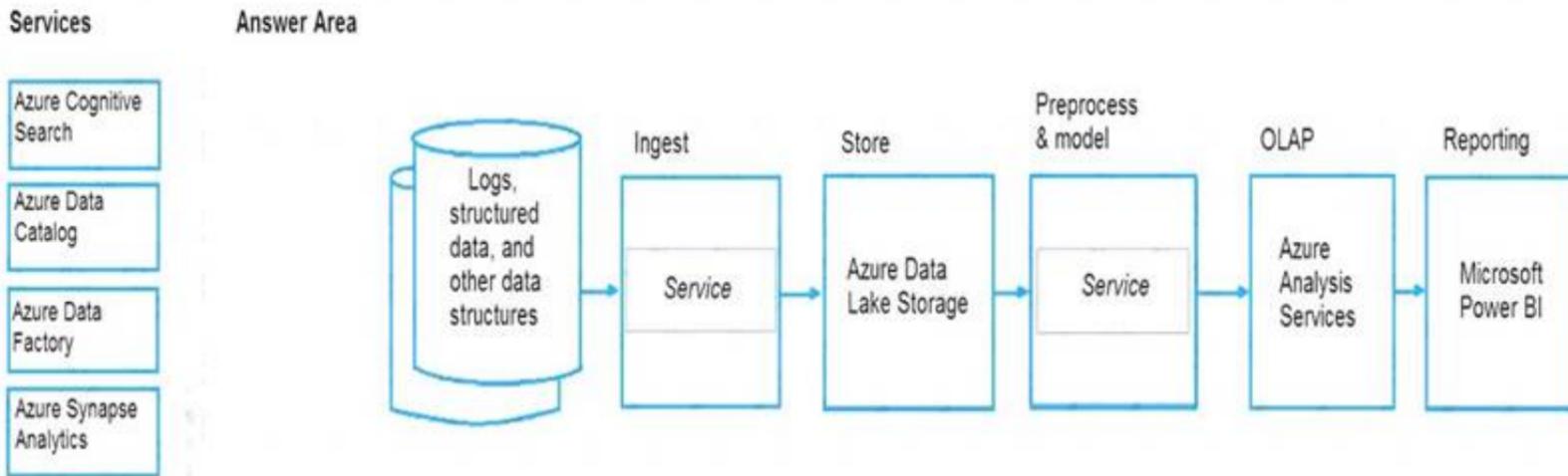
nonclustered index

NEW QUESTION 239

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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box Ingest: Azure Data Factory

You can build a data ingestion pipeline with Azure Data Factory (ADF). Box Preprocess & model: Azure Synapse Analytics
 Use Azure Synapse Analytics to preprocess data and deploy machine learning models.

NEW QUESTION 241

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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Cosmos DB

In Azure Cosmos DB's SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.

Box 2: Azure Files

Azure Files offers native cloud file sharing services based on the SMB protocol.

NEW QUESTION 244

You have an application that runs on Windows and requires access 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 245

Select the answer that correctly completes the sentence.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 248

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

Answer: AC

NEW QUESTION 253

Which three actions are used when performing diagnostic analytics?

- A. • Identify data anomalies• Collect anomaly-related data• Discover relationships and trends that explain anomalies.
- B. • Identify data anomalies• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- C. • Apply self-learning loops to draw inferences from anomalies. • Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- D. • Identify data anomalies• Use machine learning to find patterns in large datasets. • Discover relationships and trends that explain anomalies.

Answer: A

NEW QUESTION 255

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

Answer: C

NEW QUESTION 259

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 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.

Values

CREATE GROUP BY ORDER BY SELECT

Answer Area

Value SalesDate, AVG(SalesAmount)

FROM Sales

Value SalesDate

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: SELECT

Box 2: GROUP BY

Example:

When used with a GROUP BY clause, each aggregate function produces a single value covering each group, instead of a single value covering the whole table. The following example produces summary values for each sales territory in the AdventureWorks2012 database. The summary lists the average bonus received by the sales people in each territory, and the sum of year-to-date sales for each territory.

```
SELECT TerritoryID, AVG(Bonus)as 'Average bonus', SUM(SalesYTD) as 'YTD sales' FROM Sales.SalesPerson
GROUP BY TerritoryID;
```

NEW QUESTION 262

Select the answer that correctly completes the sentence.

Answer Area

The clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

NEW QUESTION 267

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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"/>

NEW QUESTION 272

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 274

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.

Visualizations	Answer Area
Key influencer	Visualization A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.
Scatter	Visualization A chart that displays the major contributors of a selected result or value.
Treemap	Visualization A chart that shows the relationship between two numerical values.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Tree map

Treemaps are charts of colored rectangles, with size representing value. They can be hierarchical, with rectangles nested within the main rectangles.



Box 2: Key influencer

A key influencer chart displays the major contributors to a selected result or value. Box 3: Scatter

Scatter and Bubble charts display relationships between 2 (scatter) or 3 (bubble) quantitative measures -- whether or not, in which order, etc.

NEW QUESTION 279

Select the answer that correctly completes the sentence.

Answer Area

presents content defined by a query.

- A view
- A heap
- A stored procedure
- A view**
- An index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A view
 A heap
 A stored procedure
A view
 An index

presents content defined by a query.

NEW QUESTION 280

Select the answer the correctly completes the sentence.

Answer Area

is responsible for managing the security of the data in a database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A database administrator is responsible for managing the security of the data in a database.

NEW QUESTION 283

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, each row in a table has

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer as below.

Answer Area

In a relational database, each row in a table has a key-value pair

NEW QUESTION 286

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 288

Select the answer that correctly completes the sentence.

Answer Area

A block of code that runs in a database is called

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area

A block of code that runs in a database is called ▼

NEW QUESTION 293

Select the answer that correctly completes the sentence.

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

- | |
|------------|
| line chart |
| matrix |
| scatter |
| treemap |

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
 Graphical user interface, text, application, email Description automatically generated
 A treemap chart divides the chart area into rectangles that represent the different levels and relative sizes of the data hierarchy.

NEW QUESTION 297

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area

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

NEW QUESTION 299

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Disadvantages of non-relational databases include: Data Consistency — non-relational databases do not perform ACID transactions. Note: Relational databases are optimized for writes. They are optimized for consistency and availability. Advantages of relational databases include simplicity, ease of data retrieval, data integrity, and flexibility.

NEW QUESTION 304

Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in

- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal 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

- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

NEW QUESTION 306

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

Answer: D

Explanation:

Time series data is a set of values organized by time. Time series databases typically collect large amounts of data in real time from a large number of sources. Updates are rare, and deletes are often done as bulk operations. Although the records written to a time-series database are generally small, there are often a large number of records, and total data size can grow rapidly.

NEW QUESTION 311

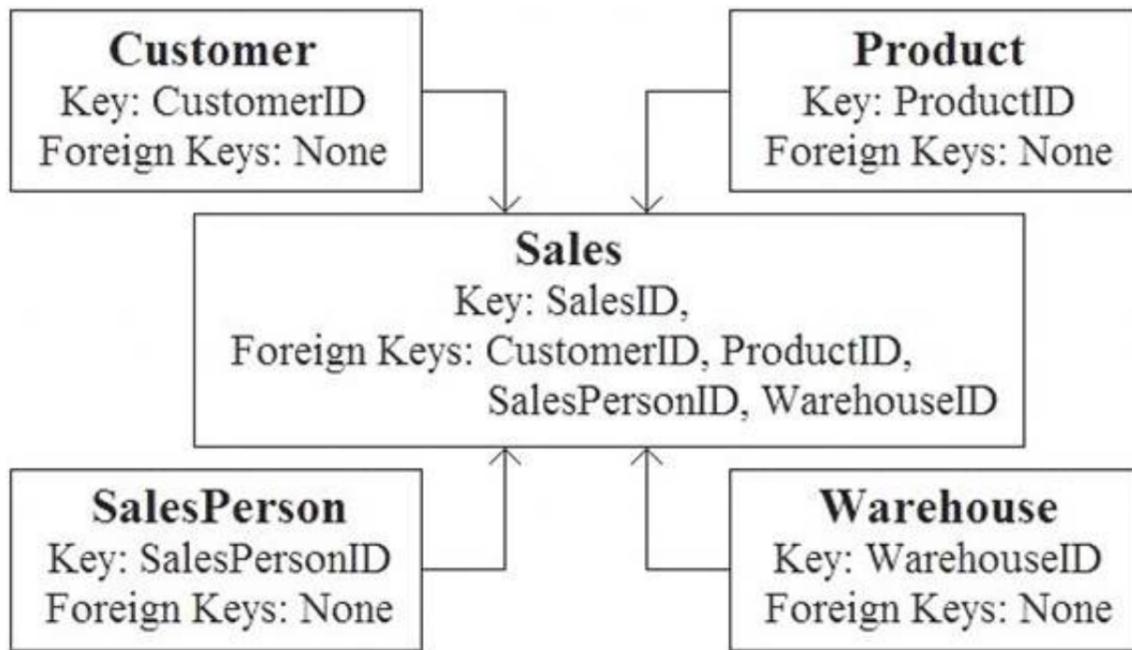
You need to use Transact-SQL to query files in Azure Data Lake Storage from an Azure Synapse Analytics data warehouse. What should you use to query the files?

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

Answer: C

NEW QUESTION 314

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

The data model is a [answer choice].

▼
transactional model
star schema
snowflake schema

Customer is a [answer choice] table.

▼
fact
dimension
bridge

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The data model is a [answer choice].

▼
transactional model
star schema
snowflake schema

Customer is a [answer choice] table.

▼
fact
dimension
bridge

NEW QUESTION 315

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 316

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

View

Table

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Terms

Answer Area

Index

View

Table

Table

A database object that holds data

View

A database object whose content is defined by a query

Index

A database object that helps improve the speed of data retrieval

NEW QUESTION 320

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