Exam Questions DP-900

Microsoft Azure Data Fundamentals

https://www.2passeasy.com/dumps/DP-900/

NEW QUESTION 1
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 2
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

In batch processing,   delay in delivering data processing results is acceptable.   ▼

NEW QUESTION 3
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:
Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 4
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 [a control flow ▼] 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 5
Select the answer that correctly completes the sentence.

Answer Area

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

natively support the analysis of relationships between entities.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

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

natively support the analysis of relationships between entities.
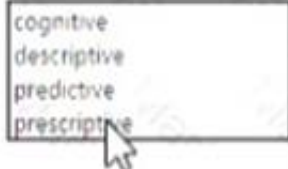
NEW QUESTION 6
To complete the sentence, select the appropriate option in the answer area.

Answer Area

A visualization that shows a university's current student enrollment

versus the maximum capacity is an example of [cognitive / descriptive / predictive / prescriptive] analytics.

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 7
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 serf-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 8
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 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 Table storage supports multiple read replicas.	○	○
Azure Table storage supports multiple write regions.	○	○
The Azure Cosmos DB Table API supports multiple read replicas.	○	○
The Azure Cosmos DB Table API supports multiple write regions.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Table storage supports multiple read replicas.	⊡	○
Azure Table storage supports multiple write regions.	○	⊡
The Azure Cosmos DB Table API supports multiple read replicas.	⊡	○
The Azure Cosmos DB Table API supports multiple write regions.	⊡	○

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

In a data warehousing workload, data [▼]

| from a single source is distributed to multiple locations |
| from multiple sources is combined in a single location |
| is added to a queue for multiple systems to process |
| is used to train machine learning models |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Note: The data warehouse workload encompasses:
≫ The entire process of loading data into the warehouse
≫ Performing data warehouse analysis and reporting
≫ Managing data in the data warehouse
≫ Exporting data from the data warehouse

NEW QUESTION 10
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 [virtual machine ▼] that hosts SQL Server.

NEW QUESTION 15
Select the answer that correctly completes the sentence.

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of [transactional writes. ▼]

NEW QUESTION 17
Your company needs to ensure that in Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet. What should you use?

A. Azure DNS
B. Azure Application Gateway
C. Azure Private link
D. Azure Traffic Manager

Answer: C

Explanation:
Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.
Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary

NEW QUESTION 21
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:
Text Description automatically generated with medium confidence
When you create a new server in Azure SQL Database or Azure Synapse Analytics named mysqlserver, for example, a server-level firewall blocks all access to the public endpoint for the server

NEW QUESTION 25
To complete the sentence, select the appropriate option in the answer area.

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation, ▼

| 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:

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation, ▼

| enable the hierarchical namespace. |
| set Account kind to BlobStorage. |
| set Performance to Premium. |
| set Replication to Read-access geo-redundant storage (RA-GRS). |

NEW QUESTION 26
What is a primary characteristic of a relational database?

A. data is queried and manipulated by using a variant of the SQL language
B. a flexible data structure
C. a lack of dependencies between tables
D. a large amount of duplicate data

Answer: A

NEW QUESTION 27
To complete the sentence, select the appropriate option in the answer area.

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

graph.
table.
partition key.
document.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

graph.
table.
partition key.
document.

NEW QUESTION 28
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.

Tools

| Azure Data Studio |
| Microsoft SQL Server Data Tools (SSDT) |
| Microsoft SQL Server Management Studio (SSMS) |
| Microsoft Visual Studio Code |

Answer Area

Tool	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Tool	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Tool	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Tool	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

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 32
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 34
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 35
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 Data Studio can be used to query an Azure SQL database from a device that runs macOS.	○	○
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	○
Azure Data Studio can be used to restore a database.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	○	⊡
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	⊡
Azure Data Studio can be used to restore a database.	⊡	○

NEW QUESTION 40
To complete the sentence, select the appropriate option in the answer area.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

A clustered index	▼
A FileTable	
A foreign key	
A stored procedure	

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

NEW QUESTION 45
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 50
Select the answer that correctly completes the sentence.

Answer Area

A data engineer	▼
A data analyst	
A data engineer	
A data scientist	
A database administrator	

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

A data engineer	▼
A data analyst	
A data engineer	
A data scientist	
A database administrator	

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

NEW QUESTION 52
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 55
To complete the sentence, select the appropriate option in the answer area.

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

a matching schema in the data source and the data target.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store.
that the data target be a relational database.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

a matching schema in the data source and the data target.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store.
that the data target be a relational database.

NEW QUESTION 60
You need to recommend a data store service that meets the following requirements:
≫ Native SQL API access
≫ Configurable indexes What should you recommend?

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

Answer: D

Explanation:
Azure Cosmos DB comes with native Core (SQL) API support.
In Azure Cosmos DB, data is indexed following indexing policies that are defined for each container. The default indexing policy for newly created containers enforces range indexes for any string or number. This policy can be overridden with your own custom indexing policy.

NEW QUESTION 61
Which database transaction property ensures that transactional changes to a database are preserved during unexpected operating system restarts?

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

Answer: B

NEW QUESTION 62
For each of the following statements, select yes if he 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.	○	○
Azure Databricks can consume data from Azure Event Hubs.	○	○
Azure Databricks can consume data from Azure Cosmos DB.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	○	○
Azure Databricks can consume data from Azure Event Hubs.	○	○
Azure Databricks can consume data from Azure Cosmos DB.	○	○

NEW QUESTION 63
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.

Components

Dataset	Linked service	Mapping data flow	Pipeline

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 64
Which statement is an example of Data Definition Language (DDL)?

A. SELECT
B. INSERT
C. DELETE
D. DROP

Answer: D

Explanation:
Data Definition Language (DDL) statements defines data structures. Use these statements to create, alter, or drop data structures in a database. These statements include:
➢ ALTER
➢ Collations
➢ CREATE
➢ DROP
➢ DISABLE TRIGGER
➢ ENABLE TRIGGER
➢ RENAME
➢ UPDATE STATISTICS
➢ TRUNCATE TABLE

NEW QUESTION 68
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 73
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.	○	○
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	○	○
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	○	[○]
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	○	[○]
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	[○]	○

NEW QUESTION 75
Which storage solution supports access control lists (ACLs) at the file and folder level?

A. Azure Data Lake Storage

B. Azure Cosmos DB
C. Azure Queue storage
D. Azure Blob storage

Answer: A

Explanation:
Azure Data Lake Storage Gen2 implements an access control model that supports both Azure role-based access control (Azure RBAC) and POSIX-like access control lists (ACLs).

NEW QUESTION 76
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
Processing salary payments once a month is an example of a batch workload.	○	○
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	○	○
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Processing salary payments once a month is an example of a batch workload.	⊙	○
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	⊙	○
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	○	⊙

NEW QUESTION 81
To complete the sentence, select the appropriate option in the answer area.

An extract, load, and transform (ELT) process
requires [▼]
| a separate transformation engine. |
| a target data store powerful enough to transform data. |
| data that is fully processed before being loaded to the target data store. |
| a data pipeline that includes a transformation engine. |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated with medium confidence
With ELT, the data store used to perform the transformation is the same data store where the data is ultimately consumed.

NEW QUESTION 82
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

In a graph database, edges specify relationships between   tables. ▼

NEW QUESTION 87
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

Explanation:
With Availability Zone (AZ) support, Azure Cosmos DB will ensure replicas are placed across multiple zones within a given region to provide high availability and resiliency to zonal failures.
Note: Azure Cosmos DB provides high availability in two primary ways. First, Azure Cosmos DB replicates data across regions configured within a Cosmos account. Second, Azure Cosmos DB maintains 4 replicas of data within a region.

NEW QUESTION 88
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 90
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 93
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
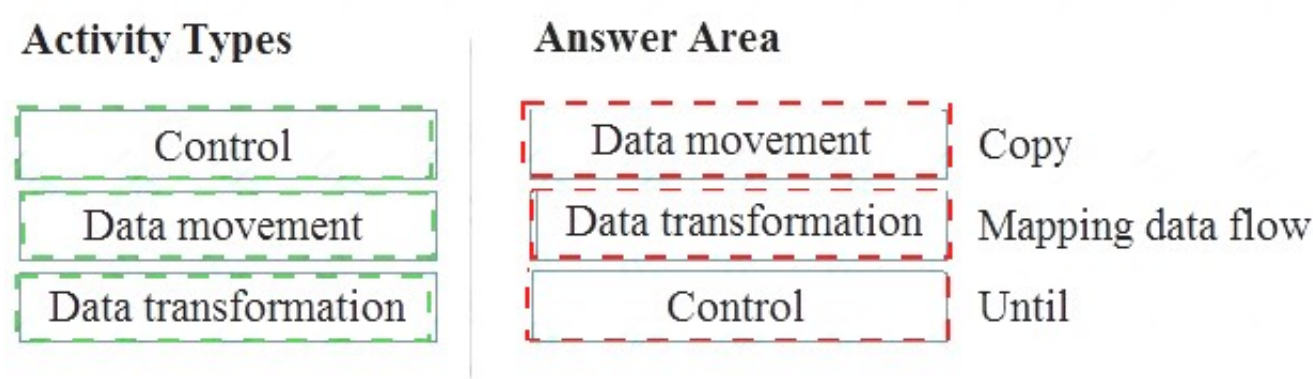
| Control |
| Data movement |
| Data transformation |

Answer Area

	Copy
	Mapping data flow
	Until

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Activity Types	Answer Area	
Control	Data movement	Copy
Data movement	Data transformation	Mapping data flow
Data transformation	Control	Until

NEW QUESTION 95
You have an Azure SQL database that you access directly from the internet. You recently changed your external IP address.
After changing the IP address, you can no longer access the database. You can connect to other resources in Azure
What is a possible cause of the issue?

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

Answer: A

Explanation:
The Azure SQL Database firewall lets you decide which IP addresses may or may not have access to either your Azure SQL Server or your Azure SQL database.
When creating an Azure SQL Database, the firewall needs to be configured before anyone will be able to access the database. By default, no external access to your SQL Database will be allowed until you explicitly assign permission by creating a firewall rule.

NEW QUESTION 99
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 102
You need to store data by using Azure Table storage. What should you create first?

A. an Azure Cosmos DB instance
B. a storage account
C. a blob container
D. a table

Answer: B

Explanation:
First create an Azure storage account, then use Table service in the Azure portal to create a table.
Note: An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, and tables.

NEW QUESTION 107
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in | a tabular form of rows and columns | ▼

NEW QUESTION 110
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 111
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 116
Match the types of workloads to the appropriate scenarios.
To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type 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: Batch
Batch processing refers to the processing of blocks of data that have already been stored over a period of time. Box 2: Streaming
Stream processing is a big data technology that allows us to process data in real-time as they arrive and detect conditions within a small period of time from the point of receiving the data. It allows us to feed data into analytics tools as soon as they get generated and get instant analytics results. Box 3: Batch

NEW QUESTION 117
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 118
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 123
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 125
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: D

Explanation:
When you first deploy Azure SQL, you specify an admin login and an associated password for that login. This administrative account is called Server admin.

NEW QUESTION 130
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 135
Select the answer that correctly completes the sentence.

In a SQL statement, ▼ are examples of aggregate functions.

FROM and WHERE
GROUP BY and ORDER BY
JOIN and MERGE
MAX and MIN

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated
An aggregate function performs a calculation on a set of values, and returns a single value. The following are aggregate functions:
> APPROX_COUNT_DISTINCT
> AVG
> CHECKSUM_AGG
> COUNT
> COUNT_BIG
> GROUPING
> GROUPING_ID
> MAX
> MIN
> STDEV
> STDEVP
> STRING_AGG
> SUM
> VAR
> VARP

NEW QUESTION 139
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 143
What is used to define a query in a stream processing jobs in Azure Stream Analytics?

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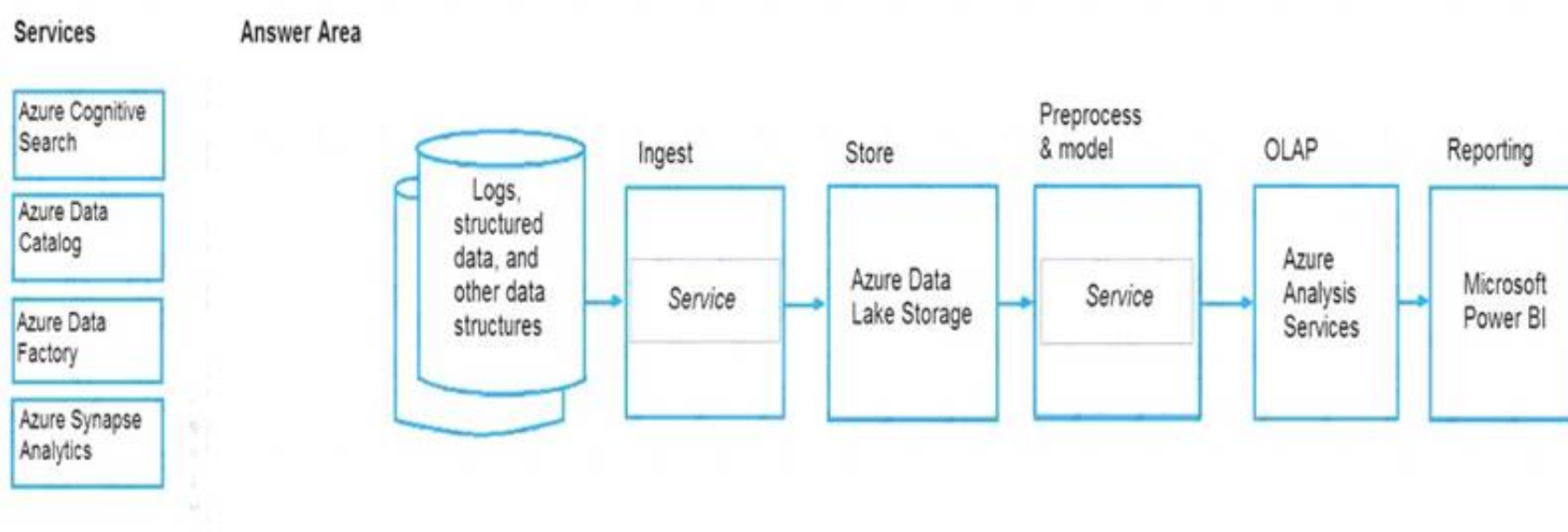C. YAML
D. SQL

Answer: D

NEW QUESTION 148
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 152
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 156
What is a characteristic of batch processing?

A. The data ingested during batch processing must be processed as soon as the data is received.
B. Large datasets must be split into batches of less than 1 GB before the data can be processed.
C. There is a noticeable time delay between ingesting data and obtaining the data processing results.
D. Batch processing can only process data that is structured.

Answer: D

NEW QUESTION 158
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 serf-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 162
Select the answer that correctly completes the sentence.

Answer Area

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

data that is fully processed before being loaded to the target data store. ▼
a matching schema in the data source and the data target.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store Content Display
that the data target be a relational database.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

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

data that is fully processed before being loaded to the target data store. ▼
a matching schema in the data source and the data target.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store Content Display
that the data target be a relational database.

NEW QUESTION 164
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 169
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 WHERE ▼ clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

NEW QUESTION 174
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.	○	○
Azure SQL managed instance supports user-created backups.	○	○
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	[○]	○
Azure SQL managed instance supports user-created backups.	○	[○]
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	[○]	○

NEW QUESTION 176
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.	○	○
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	○	○
You can use MySQL Workbench to query Azure Database for MariaDB databases.	○	○

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.	[○]	○
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	[○]	○
You can use MySQL Workbench to query Azure Database for MariaDB databases.	[○]	○

NEW QUESTION 177
Select the answer that correctly completes the sentence.

Answer Area

| A view ▼ | presents content defined by a query. |
| A heap |
| A stored procedure |
| **A view** |
| An index |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

| A view ▼ | presents content defined by a query. |
| A heap |
| A stored procedure |
| **A view** |
| An index |

NEW QUESTION 178
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 within a single Azure Storage account supports multiple concurrent reads in different Azure regions.	○	○
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	○	○
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	○	○
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated
Box 1: Yes
For read access to the secondary region, configure your storage account to use read-access geo-redundant storage (RA-GRS) or read-access geo-zone-redundant storage (RA-GZRS).
Box 2: No
Box 3: Yes
Box 4: Yes
Azure Cosmos DB supports multi-region writes.

NEW QUESTION 180
To complete the sentence, select the appropriate option in the answer area.

Answer Area

An extract, load, and transform (ELT) process requires	a data pipeline that includes a transformation engine.
	a separate transformation engine.
	a target data store powerful enough to transform data
	data that is fully processed before being loaded to the target data store.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

An extract, load, and transform (ELT) process requires	a data pipeline that includes a transformation engine.
	a separate transformation engine.
	a target data store powerful enough to transform data
	data that is fully processed before being loaded to the target data store.

NEW QUESTION 181
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 183
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 185
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