

DUMPS ARENA

Microsoft Azure Data Fundamentals

Microsoft DP-900

Version Demo

Total Demo Questions: 15

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Topic Break Down

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QUESTION NO: 1 - (DRAG DROP)

DRAG DROP

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.

Select and Place:

Workload Types	Answer Area
Batch	Workload type Analyzing historical data containing web traffic collected during the previous year.
Streaming	Workload type Classifying images that were uploaded last month.
	Workload type Tracking in real time how many people are currently using a website.

ANSWER:

Workload Types	Answer Area
Batch	Batch Analyzing historical data containing web traffic collected during the previous year.
Streaming	Batch Classifying images that were uploaded last month.
	Streaming Tracking in real time how many people are currently using a website.

Explanation:

Box 1: Batch

The batch processing model requires a set of data that is collected over time while the stream processing model requires data to be fed into an analytics tool, often in micro-batches, and in real-time.

The batch Processing model handles a large batch of data while the Stream processing model handles individual records or micro-batches of few records. In Batch Processing, it processes over all or most of the data but in Stream Processing, it processes over data on a rolling window or most recent record.

Box 2: Batch

Box 3: Streaming Reference:

<https://k21academy.com/microsoft-azure/dp-200/batch-processing-vs-stream-processing>

QUESTION NO: 2 - (SIMULATION)

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.

ANSWER: See the answer in explanation below.

Explanation:

Answer below as:

Answer Area

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

QUESTION NO: 3

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

QUESTION NO: 4

In Azure Table storage, each row in a table must be uniquely identified by which two components?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. a timestamp
- B. a range

- C. a row key
- D. a partition key

ANSWER: C D

QUESTION NO: 5 - (DRAG DROP)

DRAG DROP

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.

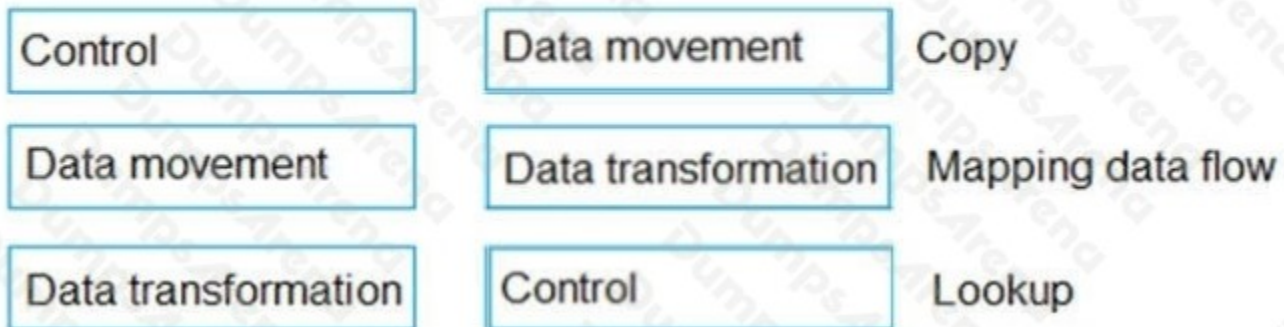
Select and Place:

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

ANSWER:

Activity Types

Answer Area



Explanation:

Box 1: Data movement

Box 2: Data transformation

A pipeline could contain a set of activities that ingest and clean log data, and then kick off a mapping data flow to analyze the log data.

Box 3: Control

Lookup Activity is a control flow activity.

Lookup Activity can be used to read or look up a record/ table name/ value from any external source. This output can further be referenced by succeeding activities.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities#data-transformation-activities>

QUESTION NO: 6

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

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: B D F

Explanation:

B: Transactional data tends to be heavy writes, moderate reads.

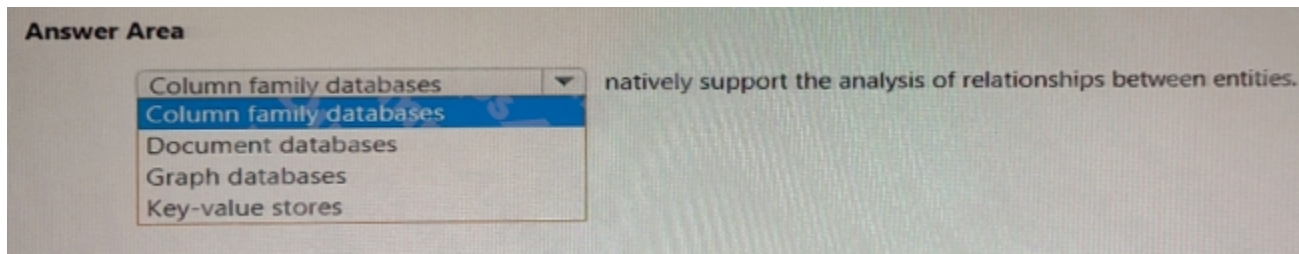
D: Typical traits of transactional data include: schema on write, strongly enforced F: Transactional data tends to be highly normalized.

Reference:

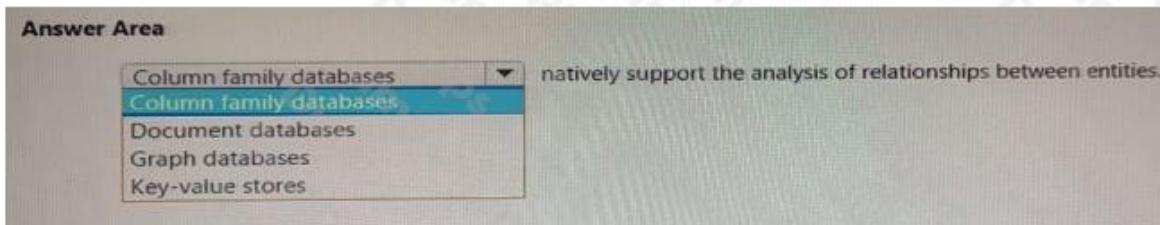
<https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/online-transaction-processing>

QUESTION NO: 7 - (HOTSPOT)

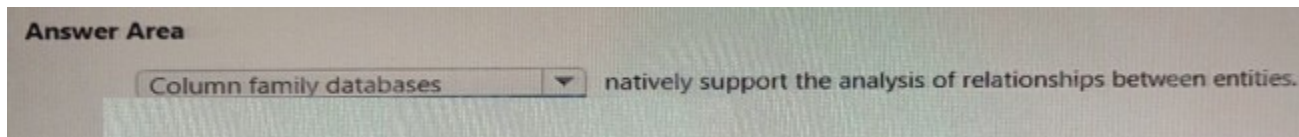
Select the answer that correctly completes the sentence.



ANSWER:



Explanation:



QUESTION NO: 8

You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.
- B. You must have SELECT access to the Products table.
- C. You must have a user in the database.
- D. You must be assigned the Contributor role for the resource group that contains the database.
- E. Your IP address must be allowed to connect to the database.

ANSWER: B C E

Explanation:

Incorrect Answers:

A, D: Resource group permissions is not required to query an Azure SQL database table.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/getting-started-with-database-engine-permissions?view=sql-server-ver15>

QUESTION NO: 9

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

- A. Azure Data Lake Storage
- B. Azure Queue storage
- C. Azure Blob storage
- D. Azure Cosmos DB

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).

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

QUESTION NO: 10 - (SIMULATION)

Select the answer that correctly completes the sentence.



ANSWER: See the answer in explanation below.

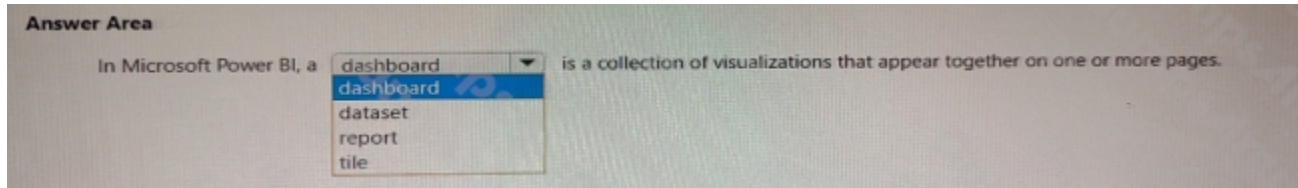
Explanation:

Answer below as:

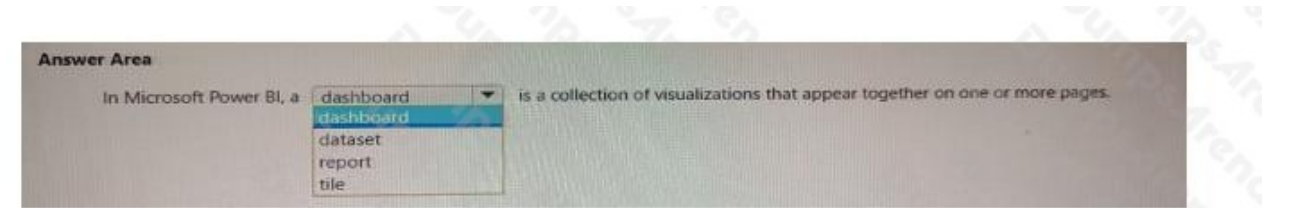


QUESTION NO: 11 - (HOTSPOT)

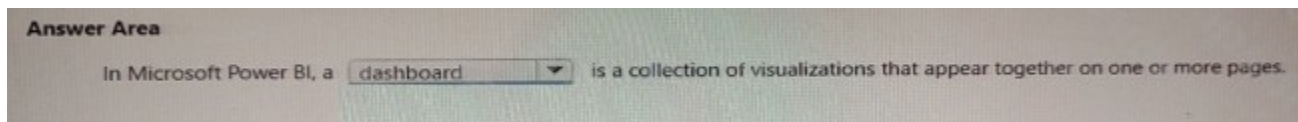
Select the answer that correctly completes the sentence.



ANSWER:



Explanation:



QUESTION NO: 12

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: A D**QUESTION NO: 13**

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

QUESTION NO: 14

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

Explanation:

Reference:

<https://docs.databricks.com/data/data-sources/azure/synapse-analytics.html>

QUESTION NO: 15

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

Explanation:

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/queries/update-transact-sql?view=sql-server-ver15>