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Exam4Tests Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) exam dumps save your study and preparation time. Our experts have added hundreds of Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) questions similar to the real exam. You can prepare for the Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) exam dumps during your job. You don't need to visit the market or any store because Exam4Tests Microsoft DP-700 exam questions are easily accessible from the website.

Microsoft DP-700 Exam Syllabus Topics:

Topic	Details
Topic 1	• Ingest and transform data: This section of the exam measures the skills of Data Engineers that cover designing and implementing data loading patterns. It emphasizes preparing data for loading into dimensional models, handling batch and streaming data ingestion, and transforming data using various methods. A skill to be measured is applying appropriate transformation techniques to ensure data quality.
Topic 2	• Monitor and optimize an analytics solution: This section of the exam measures the skills of Data Analysts in monitoring various components of analytics solutions in Microsoft Fabric. It focuses on tracking data ingestion, transformation processes, and semantic model refreshes while configuring alerts for error resolution. One skill to be measured is identifying performance bottlenecks in analytics workflows.

Topic 3	Implement and manage an analytics solution: This section of the exam measures the skills of Microsoft Data Analysts regarding configuring various workspace settings in Microsoft Fabric. It focuses on setting up Microsoft Fabric workspaces, including Spark and domain workspace configurations, as well as implementing lifecycle management and version control. One skill to be measured is creating deployment pipelines for analytics solutions.
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Microsoft Implementing Data Engineering Solutions Using Microsoft Fabric Sample Questions (Q43-Q48):

NEW QUESTION # 43

You have an Azure key vault named KeyVault1 that contains secrets.

You have a Fabric workspace named Workspace!. Workspace! contains a notebook named Notebook1 that performs the following tasks:

- * Loads stage data to the target tables in a lakehouse
- * Triggers the refresh of a semantic model

You plan to add functionality to Notebook1 that will use the Fabric API to monitor the semantic model refreshes. You need to retrieve the registered application ID and secret from KeyVault1 to generate the authentication token.

Solution: You use the following code segment:

Use notebookutils.credentials.getSecret and specify the key vault URL and key vault secret. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION # 44

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a KQL database that contains two tables named Stream and Reference. Stream contains streaming data in the following format.

Column name	Data type
Timestamp	Datetime
GeoLocation	Dynamic
Temperature	Decimal
DeviceId	Int

Reference contains reference data in the following format.

Column name	Data type
DeviceId	Int
DeviceName	String

Both tables contain millions of rows.

You have the following KQL queryset.

01 Stream

02 | extend lat = todecimal(GeoLocation.Latitude), long = todecimal(GeoLocation.Longitude)

03 | join kind=inner Reference on DeviceId

04 | project Timestamp, lat, long, Temperature, DeviceName

05 | filter Temperature >= 10

06 | render scatterchart with (kind=map)

You need to reduce how long it takes to run the KQL queryset.

Solution: You move the filter to line 02.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Moving the filter to line 02: Filtering the Stream table before performing the join operation reduces the number of rows that need to be processed during the join. This is an effective optimization technique for queries involving large datasets.

NEW QUESTION # 45

You need to ensure that WorkspaceA can be configured for source control. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. From Tenant setting, set Users can sync workspace items with GitHub repositories to Enabled
- B. Assign WorkspaceA to Capl.
- C. From Tenant setting, set Users can synchronize workspace items with their Git repositories to Enabled
- D. Configure WorkspaceA to use a Premium Per User (PPU) license

Answer: B,C

NEW QUESTION # 46

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You have a KQL database that contains two tables named Stream and Reference. Stream contains streaming data in the following format.

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You have the following KQL queryset.

```
01 Stream
02 | extend lat = todecimal(GeoLocation.Latitude), long = todecimal(GeoLocation.Longitude)
03 | join kind=inner Reference on DeviceId
04 | project Timestamp, lat, long, Temperature, DeviceName
05 | filter Temperature >= 10
06 | render scatterchart with (kind = map)
```

You need to reduce how long it takes to run the KQL queryset.

Solution: You add the make_list() function to the output columns.

Does this meet the goal?

- A. No
- B. Yes

Answer: A

Explanation:

Adding an aggregation like make_list() would require additional processing and memory, which could make the query slower.

NEW QUESTION # 47

You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse1 contains the following tables and columns.

Table name	Column name	Data type
Employee	EmployeeID	Int
Employee	EmployeeName	Varchar(128)
Employee	EmployeePosition	Varchar(64)
Contract	EmployeeID	Int
Contract	ContractType	Varchar(64)
Contract	StartDate	Datetime2
Contract	EndDate	Datetime2

You need to denormalize the tables and include the ContractType and StartDate columns in the Employee table. The solution must meet the following requirements:

How should you complete the statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
WITH result AS(
SELECT e.EmployeeID
      , e.EmployeeName
      , e.EmployeePosition
      , c.ContractType
      , (date, c.startdate) as startdate
FROM Employee AS e
      Contract AS c on c.EmployeeID = e.EmployeeID
)
SELECT COUNT(DISTINCT EmployeeID) AS TotalEmployees
      , ContractType
FROM result
GROUP BY ContractType
      COUNT(DISTINCT EmployeeID) > 2
```

Options for the first dropdown (after 'startdate'):

- AS
- CONVERT
- REPLACE
- SUBSTRING

Options for the second dropdown (after 'on c.EmployeeID = e.EmployeeID'):

- CROSS JOIN
- INNER JOIN
- LEFT OUTER JOIN
- RIGHT OUTER JOIN

Options for the third dropdown (after 'COUNT(DISTINCT EmployeeID) > 2'):

- CONTAIN
- HAVING
- LIMIT
- WHERE

Answer:

Explanation:

Answer Area

```
WITH result AS(
SELECT e.EmployeeID
      , e.EmployeeName
      , e.EmployeePosition
      , c.ContractType
      , (date, c.StartDate) as StartDate
      , CASE
          WHEN c.ContractType = 'FullTime' THEN 'FullTime'
          WHEN c.ContractType = 'PartTime' THEN 'PartTime'
          WHEN c.ContractType = 'Seasonal' THEN 'Seasonal'
          WHEN c.ContractType = 'Temporary' THEN 'Temporary'
          WHEN c.ContractType = 'Other' THEN 'Other'
      END as ContractType
FROM Employee AS e
      Contract AS c on c.EmployeeID = e.EmployeeID
)
SELECT COUNT(DISTINCT EmployeeID) AS TotalEmployees
      , ContractType
FROM result
GROUP BY ContractType
HAVING COUNT(DISTINCT EmployeeID) > 2
```

NEW QUESTION # 48

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