



DP-600^{Q&As}

Implementing Analytics Solutions Using Microsoft Fabric

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**QUESTION 1**

You have a Fabric tenant that contains a lakehouse named lakehouse1. Lakehouse1 contains an unpartitioned table named Table1.

You plan to copy data to Table1 and partition the table based on a date column in the source data.

You create a Copy activity to copy the data to Table1.

You need to specify the partition column in the Destination settings of the Copy activity.

What should you do first?

- A. From the Destination tab, set Mode to Append.
- B. From the Destination tab, select the partition column,
- C. From the Source tab, select Enable partition discovery
- D. From the Destination tab, set Mode to Overwrite.

Correct Answer: A

Explanation: Before specifying the partition column in the Destination settings of the Copy activity, you should set Mode to Append (A). This will allow the Copy activity to add data to the table while taking the partition column into account. References = The configuration options for Copy activities and partitioning in Azure Data Factory, which are applicable to Fabric dataflows, are outlined in the official Azure Data Factory documentation.

QUESTION 2

You have a Fabric tenant that contains a complex semantic model. The model is based on a star schema and contains many tables, including a fact table named Sales. You need to create a diagram of the model. The diagram must contain only the Sales table and related tables. What should you use from Microsoft Power BI Desktop?

- A. data categories
- B. Data view
- C. Model view
- D. DAX query view

Correct Answer: C

Explanation: To create a diagram that contains only the Sales table and related tables, you should use the Model view (C) in Microsoft Power BI Desktop. This view allows you to visualize and manage the relationships between tables within your semantic model. References = Microsoft Power BI Desktop documentation outlines the functionalities available in Model view for managing semantic models.

QUESTION 3



You need to create a DAX measure to calculate the average overall satisfaction score.

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

NOTE: Each correct selection is worth one point.

Hot Area:

```
Rolling 12 Overall Satisfaction =  
VAR NumberOfMonths = 12  
VAR LastCurrentDate = MAX ( 'Date'[Date] )  
VAR Period = DATESINPERIOD ( 'Date'[Date], LastCurrentDate, - NumberOfMonths, MONTH )  
VAR Result =
```

CALCULATE (

AVERAGE('Survey'[Response Value]),	▼
AVERAGE('Survey'[Response Value]),	
AVERAGEA('Question'[Question Text]),	
AVERAGEX(VALUES('Survey'[Customer Key]),	

NumberOfMonths,	▼
LastCurrentDate,	
NumberOfMonths,	
Period,	

```
'Survey Question'[Question Title] = "Overall Satisfaction"
```

)

RETURN

Result

Correct Answer:



```
Rolling 12 Overall Satisfaction =  
VAR NumberOfMonths = 12  
VAR LastCurrentDate = MAX ( 'Date'[Date] )  
VAR Period = DATESINPERIOD ( 'Date'[Date], LastCurrentDate, - NumberOfMonths, MONTH )  
VAR Result =  
    CALCULATE (  
        AVERAGE('Survey'[Response Value]),  
        AVERAGE('Survey'[Response Value]),  
        AVERAGEA('Question'[Question Text]),  
        AVERAGEX(VALUES('Survey'[Customer Key]),  
            NumberOfMonths,  
            LastCurrentDate,  
            NumberOfMonths,  
            Period,  
            'Survey Question'[Question Title] = "Overall Satisfaction"  
        )  
    )  
RETURN  
    Result
```

The measure should use the AVERAGE function to calculate the average value.

It should reference the Response Value column from the 'Survey' table.

The 'Number of months' should be used to define the period for the average calculation.

To calculate the average overall satisfaction score using DAX, you would need to use the AVERAGE function on the response values related to satisfaction questions. The DATESINPERIOD function will help in calculating the rolling average

over the last 12 months.

QUESTION 4

You have a Fabric tenant that contains a lakehouse.

You plan to query sales data files by using the SQL endpoint. The files will be in an Amazon Simple Storage Service (Amazon S3) storage bucket.

You need to recommend which file format to use and where to create a shortcut.

Which two actions should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.



- A. Create a shortcut in the Files section.
- B. Use the Parquet format
- C. Use the CSV format.
- D. Create a shortcut in the Tables section.
- E. Use the delta format.

Correct Answer: BD

Explanation: You should use the Parquet format (B) for the sales data files because it is optimized for performance with large datasets in analytical processing and create a shortcut in the Tables section (D) to facilitate SQL queries through the lakehouse's SQL endpoint. References = The best practices for working with file formats and shortcuts in a lakehouse environment are covered in the lakehouse and SQL endpoint documentation provided by the cloud data platform services.

QUESTION 5

You need to provide Power BI developers with access to the pipeline. The solution must meet the following requirements:

Ensure that the developers can deploy items to the workspaces for Development and Test.

Prevent the developers from deploying items to the workspace for Production.

Follow the principle of least privilege.

Which three levels of access should you assign to the developers? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

- A. Build permission to the production semantic models
- B. Admin access to the deployment pipeline
- C. Viewer access to the Development and Test workspaces
- D. Viewer access to the Production workspace
- E. Contributor access to the Development and Test workspaces
- F. Contributor access to the Production workspace

Correct Answer: BDE

Explanation: To meet the requirements, developers should have Admin access to the deployment pipeline (B), Contributor access to the Development and Test workspaces (E), and Viewer access to the Production workspace (D). This setup ensures they can perform necessary actions in development and test environments without having the ability to affect production. References = The Power BI documentation on workspace access levels and deployment pipelines provides guidelines on assigning appropriate permissions.