DP-500^{Q&As}

Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI

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QUESTION 1

You need to recommend a solution to resolve the query issue of the serverless SQL pool.

The solution must minimize impact on the users.

What should you in the recommendation?

A. Update the statistics for the serverless SQL pool.

B. Move the data from the serverless SQL pool to a dedicated Apache Spark pool.

C. Execute the sp_sec_process_daca_limic stored procedure for the serverless SQL pool.

D. Move the data from the serverless SQL pool to a dedicated SQL pool.

Correct Answer: A

QUESTION 2

You have an Azure SQL database named DB1.

You have a Power BI tenant that contains 20 workspaces. Multiple workspaces contain datasets that use DB1 as a data source.

You need to identity how many datasets use DB1 as a data source across the tenant.

What should you use?

A. an XLMA endpoint

B. the Power BI REST API
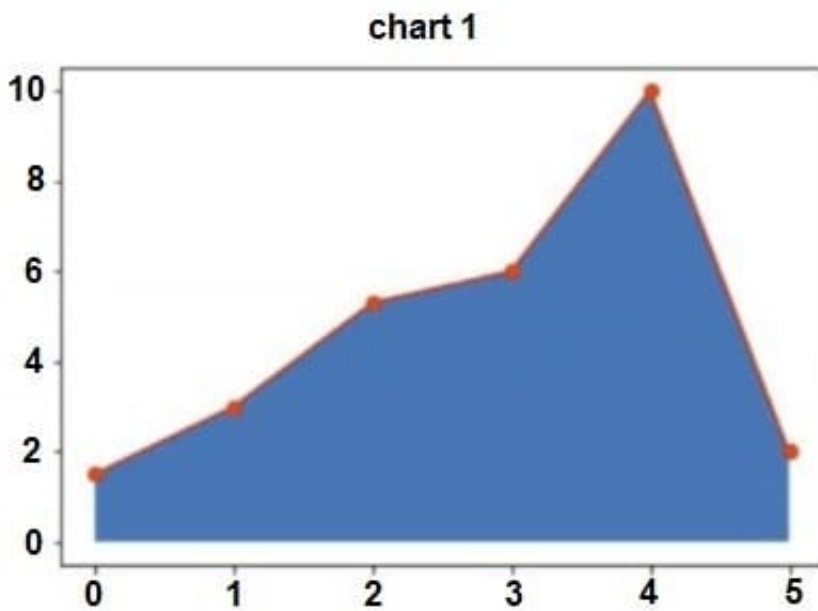
C. Power BI data source files

D. lineage view

Correct Answer: D

QUESTION 3

HOTSPOT

You have an Azure Synapse notebook.

You need to create the visual shown in the following exhibit.

chart 1

How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

```
import matplotlib.pyplot as plt
x = [0, 1, 2, 3, 4, 5]
y = [1.5, 3, 5.3, 6, 10, 2]
plt.plot(x, y, '-o', color='red')
plt.                      (x, y)
```

| angle_spectrum |
| axes |
| fill |
| fill_between |

```
plt.                      ('chart 1', fontweight='bold'
```

| figtext |
| imshow |
| legend |
| suptitle |

```
plt.show()
```

Correct Answer:

```
import matplotlib.pyplot as plt
x = [0, 1, 2, 3, 4, 5]
y = [1.5, 3, 5.3, 6, 10, 2]
plt.plot(x, y, '-o', color='red')
plt.                            (x, y)
     angle_spectrum
     axes
     fill
     fill_between

plt.                            ('chart 1', fontweight='bold'
     figtext
     imshow
     legend
     suptitle

plt.show()
```

Box 1: fill_between

atplotlib.pyplot.fill_between fills the area between two horizontal curves. The curves are defined by the points (x, y1) and (x, y2). This creates one or multiple polygons describing the filled area.

Box 2: suptitle

Set the title of the visual.

suptitle adds a centred title to the figure.

QUESTION 4

You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a DataFrame in a tabular view. Which method should you invoke on the DataFrame?

A. describe

B. corr

C. freqItems

D. explain

Correct Answer: A

QUESTION 5

HOTSPOT

You use Advanced Editor in Power Query Editor to edit a query that references two tables named Sales and Commission. A sample of the data in the Sales table is shown in the following table.
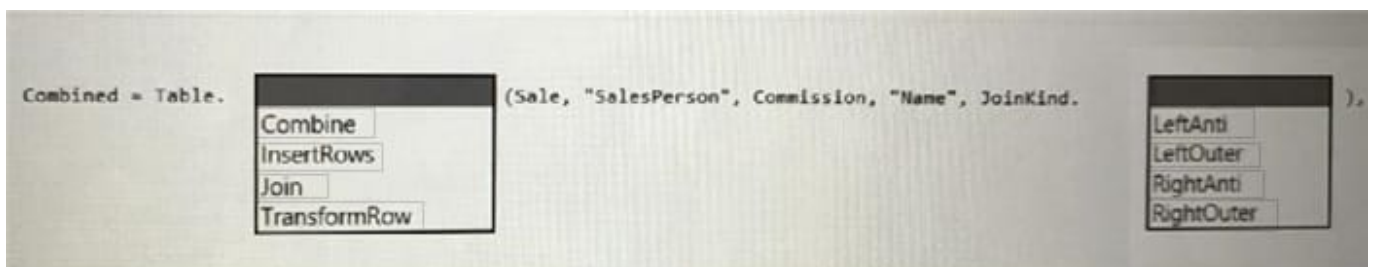
OrderID	SalesPerson	Amount
101	Tom	199.99
103	Eileen	279.99
108	Enrique	333.42

A sample of the data in the Commission table is shown in the following table.
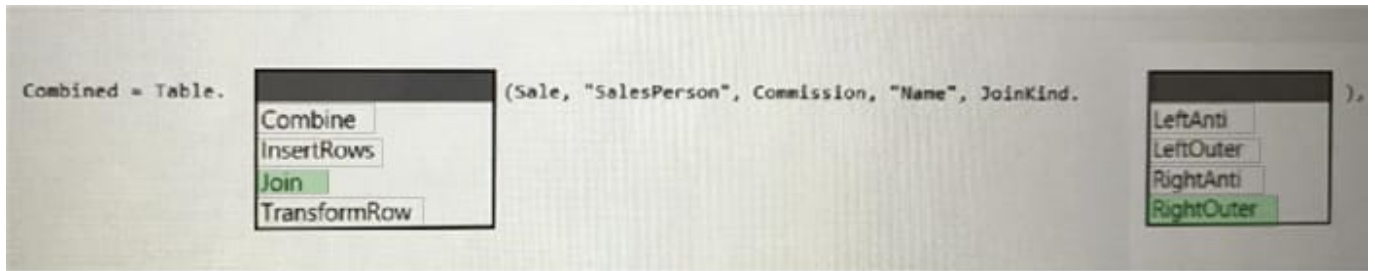
Person	Commission
Tom	0.04
Eileen	0.05

You need to merge the tables by using Power Query Editor without losing any rows in the Sales table. How should you complete the query? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Combined = Table.
- Combine
- InsertRows
- Join
- TransformRow

(Sale, "SalesPerson", Commission, "Name", JoinKind.
- LeftAnti
- LeftOuter
- RightAnti
- RightOuter

Correct Answer:

```
Combined = Table.                          (Sale, "SalesPerson", Commission, "Name", JoinKind.          ),

         Combine                                                                          LeftAnti
         InsertRows                                                                       LeftOuter
         Join                                                                             RightAnti
         TransformRow                                                                     RightOuter
```