



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 implement object-level security (OLS) in the Power BI dataset for the sales associates.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:



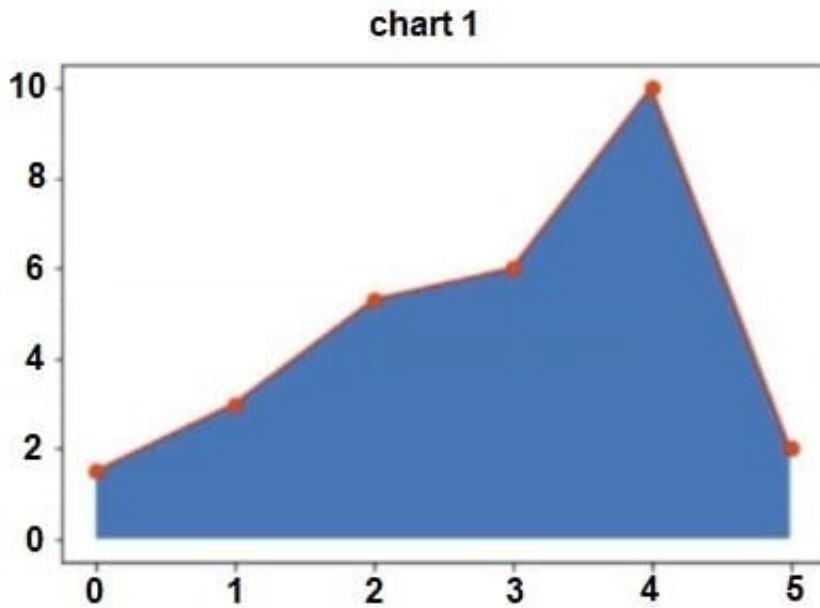


QUESTION 2

HOTSPOT

You have an Azure Synapse notebook.

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



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. 

|                |   |
|----------------|---|
|                | ▼ |
| angle_spectrum |   |
| axes           |   |
| fill           |   |
| fill_between   |   |

 (x, y)
```

	▼
angle_spectrum	
axes	
fill	
fill_between	

```
plt. 

|          |   |
|----------|---|
|          | ▼ |
| figtext  |   |
| imshow   |   |
| legend   |   |
| suptitle |   |

 ('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')
```

▼ ('chart 1', fontweight='bold')

figtext
imshow
legend
suptitle

```
plt.show()
```

Box 1: fill_between

matplotlib.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 3

You need to identify the root cause of the data refresh issue. What should you use?

- A. the Usage Metrics Report in powerbi.com
- B. Query Diagnostics in Power Query Editor
- C. Performance analyzer in Power BI Desktop

Correct Answer: B



QUESTION 4

You plan to modify a Power BI dataset.

You open the Impact analysis panel for the dataset and select Notify contacts.

Which contacts will be notified when you use the Notify contacts feature?

- A. any users that accessed a report that uses the dataset within the last 30 days
- B. the workspace admins of any workspace that uses the dataset
- C. the Power BI admins
- D. all the workspace members of any workspace that uses the dataset

Correct Answer: B

QUESTION 5

You have a deployment pipeline for a Power BI workspace. The workspace contains two datasets that use import storage mode.

A database administrator reports a drastic increase in the number of queries sent from the Power BI service to an Azure SQL database since the creation of the deployment pipeline.

An investigation into the issue identifies the following:

One of the datasets is larger than 1 GB and has a fact table that contains more than 500 million rows. When publishing dataset changes to development, test, or production pipelines, a refresh is triggered against the entire dataset.

You need to recommend a solution to reduce the size of the queries sent to the database when the dataset changes are published to development, test, or production.

What should you recommend?

- A. Request the authors of the deployment pipeline datasets to reduce the number of datasets republished during development.
- B. In the dataset, delete the fact table.
- C. Configure the dataset to use a composite model that has a DirectQuery connection to the fact table.
- D. From Capacity settings in the Power BI Admin portal, reduce the Max Intermediate Row Set Count setting.

Correct Answer: C

Previously in Power BI Desktop, when you used a DirectQuery in a report, no other data connections, whether DirectQuery or import, were allowed for that report. With composite models, that restriction is removed. A report can



seamlessly include data connections from more than one DirectQuery or import data connection, in any combination you choose.

The composite models capability in Power BI Desktop consists of three related features:

*

Composite models: Allows a report to have two or more data connections from different source groups, such as one or more DirectQuery connections and an import connection, two or more DirectQuery connections, or any combination thereof.

*

Etc.

Reference: <https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-composite-models>

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