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**Microsoft**

# DP-500

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



<https://killexams.com/pass4sure/exam-detail/DP-500>

Question: 25

HOTSPOT

You are configuring an aggregation table as shown in the following exhibit.

Manage aggregations

Aggregations accelerate query performance to unlock big-data sets. [Learn more](#)

Aggregation table

FactSales(Agg) ▼

Precedence ⓘ

0

ProductKey	Select Summarizatio... ▼	▼	▼	🗑
PromotionKey	Select Summarizatio... ▼	▼	▼	🗑
SalesAmount	Select Summarizatio... ▼	▼	▼	🗑
SalesQuantity	Select Summarizatio... ▼	▼	▼	🗑
StoreKey	Select Summarizatio... ▼	▼	▼	🗑
TotalCost	Select Summarizatio... ▼	▼	▼	🗑

The detail table is named FactSales and the aggregation table is named FactSales(Agg).

You need to aggregate SalesAmount for each store.

Which type of summarization should you use for SalesAmount and StoreKey? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Summarization for SalesAmount:

Count  
GroupBy  
Max  
Sum

Summarization for StoreKey:

Count  
GroupBy  
Max  
Sum

Answer:

Summarization for SalesAmount:

Count  
GroupBy  
Max  
Sum

Summarization for StoreKey:

Count  
GroupBy  
Max  
Sum

Question: 26

You have a dataset that contains a table named UserPermissions.

UserPermissions contains the following data.

User	Region
CONTOSO\User1	1
CONTOSO\User2	2
CONTOSO\User3	1
CONTOSO\User4	3
CONTOSO\User4	5

You plan to create a security role named User Security for the dataset. You need to filter the dataset based on the

current users .

What should you include in the DAX expression?

- A. [UserPermissions] – USERNAME()
- B. [UserPermissions] – USERPRINCIPALNAME()
- C. [User] = USERPRINCIPALNAME()
- D. [User] = USERNAMEQ()
- E. [User] = USEROBJECTID()

**Answer:** D

### Question: 27

You use Azure Synapse Analytics and Apache Spark notebooks to You need to use PySpark to gain access to the visual libraries .

Which Python libraries should you use?

- A. Seaborn only
- B. Matplotlib and Seaborn
- C. Matplotlib only
- D. Matplotlib and TensorFlow
- E. TensorFlow only
- F. Seaborn and TensorFlow

**Answer:** E

### Question: 28

HOTSPOT

You have the following code in an Azure Synapse notebook.



```
import matplotlib.pyplot as plt
x1 = [1, 3, 4, 5, 6, 7, 9]
y1 = [4, 7, 2, 4, 7, 8, 3]
x2 = [2, 4, 6, 8, 10]
y2 = [5, 6, 2, 6, 2]
plt.bar(x1, y1, label="Blue Item", color='b')
plt.bar(x2, y2, label="Green Item", color='g')
plt.plot()
plt.xlabel("Number")
plt.ylabel("Height")
plt.title("My Chart")
plt.legend()
plt.show()
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the code. NOTE: Each correct selection is worth one point.

Answer Area

Running the code will create a [answer choice] in the output cell.

The legend for the resulting chart will list [answer choice] in the legend.

clustered bar chart  
 histogram  
 line chart  
 stacked bar chart

one item  
 two items  
 five items  
 seven items

Answer:

Answer Area

Running the code will create a [answer choice] in the output cell.

The legend for the resulting chart will list [answer choice] in the legend.

clustered bar chart  
 histogram  
 line chart  
 stacked bar chart

one item  
 two items  
 five items  
 seven items

Question: 29

DRAG DROP

You need to integrate the external data source to support the planned changes.

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.

Actions	Answer Area
Create an Apache Spark data source.	
Merge columns.	
Create a web data source.	
Expand the attributes.	
Publish the model.	

**Answer:**

Actions	Answer Area
Create an Apache Spark data source.	Create a web data source.
Merge columns.	Expand the attributes.
Create a web data source.	Publish the model.
Expand the attributes.	
Publish the model.	

**Question: 30**

**HOTSPOT**

You have the following code in an Azure Synapse notebook.

```
import matplotlib.pyplot as plt
x1 = [2, 3, 4]
y1 = [5, 5, 5]
x2 = [1, 2, 3, 4, 5]
y2 = [2, 3, 2, 3, 4]
y3 = [6, 8, 7, 8, 7]
plt.scatter(x1, y1)
plt.scatter(x2, y2, marker='v', color='r')
plt.scatter(x2, y3, marker='^', color='m')
plt.title('Scatter Plot')
plt.show()
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the code. NOTE: Each correct selection is worth one point.

Answer Area	
There will be [answer choice] rendered as the output of the code.	<div> one scatterplot  two scatterplots  three scatterplots </div>
There will be [answer choice] used in the output.	<div> one marker symbol  two marker symbols  three marker symbols </div>

## Answer:

### Answer Area

There will be [answer choice] rendered as the output of the code.

one scatterplot  
two scatterplots  
three scatterplots

There will be [answer choice] used in the output.

one marker symbol  
two marker symbols  
three marker symbols



# SAMPLE QUESTIONS

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