70-768 Q&As

Developing SQL Data Models

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QUESTION 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You deploy a tabular data model to an instance of Microsoft SQL Server Analysis Services (SSAS). The model uses an in-memory cache to store and query data. The data set is already the same size as the available RAM on the server.

Data volumes are likely to continue to increase rapidly.

Your data model contains multiple calculated tables.

The data model must begin processing each day at 2:00 and processing should be complete by 4:00 the same day. You observe that the data processing operation often does not complete before 7:00. This is adversely affecting team

members.

You need to improve the performance.

Solution: Change the storage mode for the data model to DirectQuery.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

By default, tabular models use an in-memory cache to store and query data. When tabular models query data residing in-memory, even complex queries can be incredibly fast. However, there are some limitations to using cached data.

Namely, large data sets can exceed available memory, and data freshness requirements can be difficult if not impossible to achieve on a regular processing schedule.

DirectQuery overcomes these limitations while also leveraging RDBMS features making query execution more efficient.

With DirectQuery: +

Data is up-to-date, and there is no extra management overhead of having to maintain a separate copy of the data (in the in-memory cache). Changes to the underlying source data can be immediately reflected in queries against the data

model. Datasets can be larger than the memory capacity of an Analysis Services server.

Etc.

References:https://docs.microsoft.com/en-us/sql/analysis-services/tabular- models/directquery-mode-ssas-tabular

QUESTION 2

You maintain SQL Server Analysis Services (SSAS) instances.

You need to configure an installation of PowerPivot for Microsoft SharePoint in a SharePoint farm.

Which tool should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. SQL Server Configuration Manager

B. PowerPivot Configuration Tool

C. SharePoint Products Configuration Wizard

D. SharePoint Central Administration

E. PowerShell

Correct Answer: ABD

QUESTION 3

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

A company has an e-commerce website. When a customer places an order, information about the transaction is inserted into tables in a Microsoft SQL Server relational database named OLTP1. The company has a SQL Server Analysis

Services (SSAS) instance that is configured to use Tabular mode. SSAS uses data from OLTP1 to populate a data model.

Sales analysts build reports based on the SSAS model. Reports must be able to access data as soon as it is available in the relational database.

You need to configure and deploy an Analysis Services project to the Analysis Services instance that allows near real-time data source access.

Solution: In the Deployment Option property for the report, you set the Query Mode to InMemory.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

With InMemory the queries can use the cache only. References:https://msdn.microsoft.com/en-us/library/hh230898(v=sql.120).aspx

QUESTION 4

You are a business analyst for a retail company that uses a Microsoft SQL Server Analysis Services (SSAS) multidimensional database to track sales. The database contains the following objects:

Type	Name	Content
Measure	Reseller Sales Amount	the total sales made by a reseller
Dimension	Geography	the location of the reseller
Hierarchy	Geography.City	the city where the reseller is located
Member	Geography.City.&[London]&[UK], Geography.City.&[Tokyo]&[JP]	a specific city and region

Your company is developing a promotional plaque to recognize the top resellers in the top 10 cities where the company does business. Each plaque must display the sales total for all resellers in the city. In addition, the plaque must display a

total for all cities not in the top 10.

You have the following requirements:

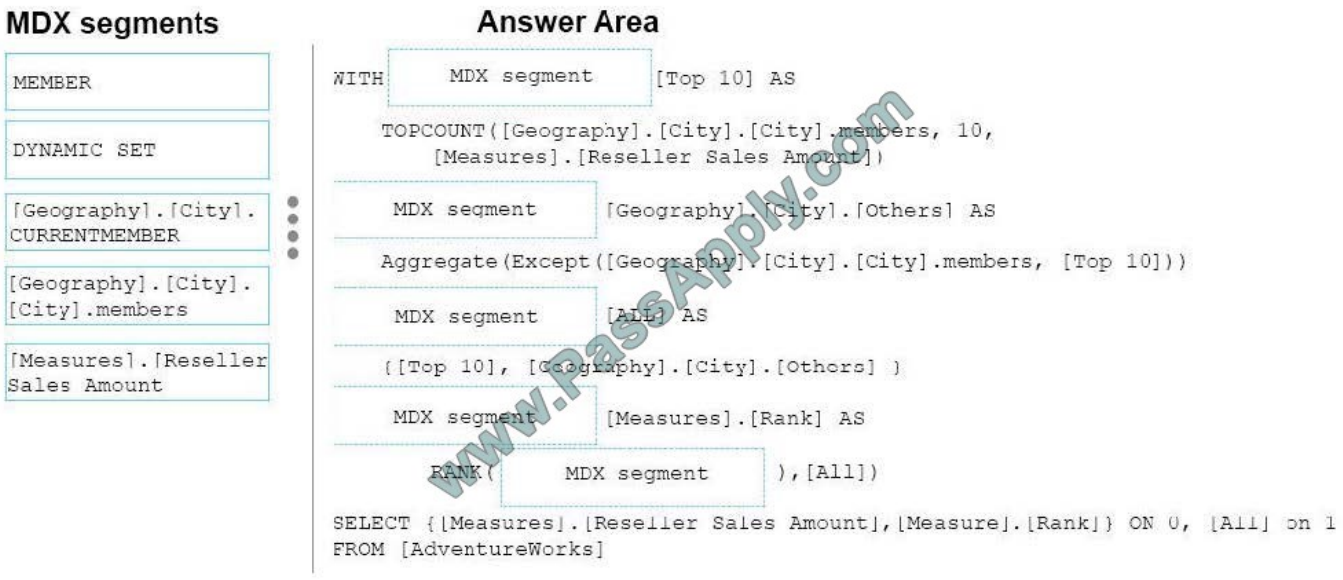
You need to provide the information needed for the promotional plaques.

How should you complete the MDX statement? To answer, drag the appropriate MDX segments to the correct locations. Each MDX segment may be used once, more than once, or not at all. You may need to drag the split bar between panes

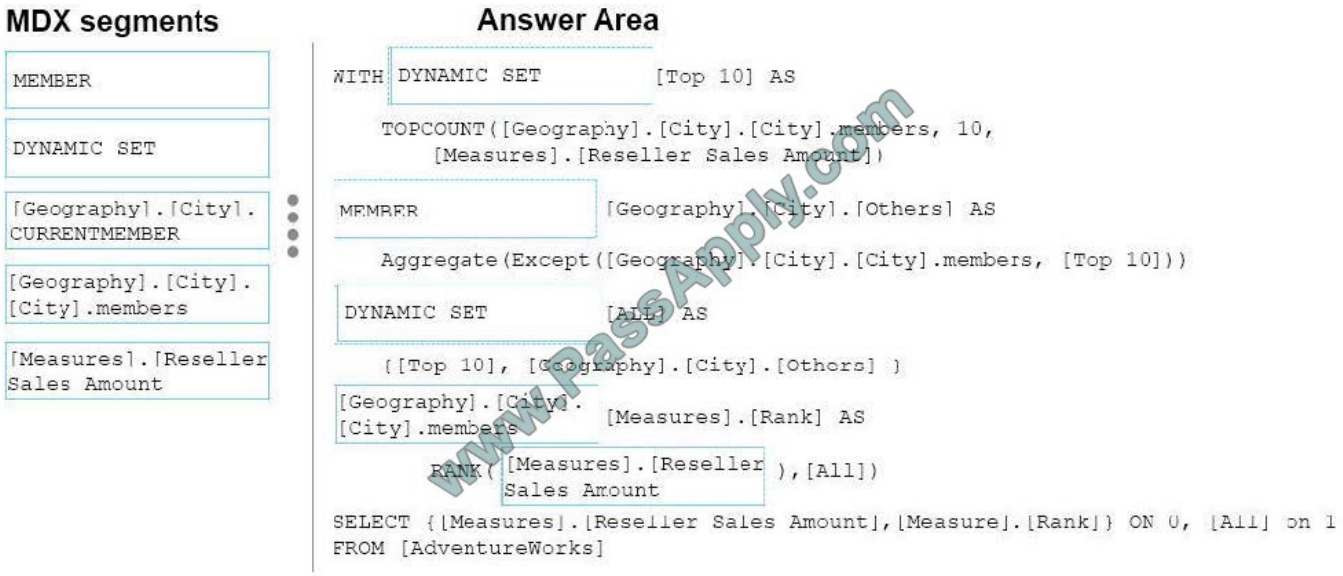
or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



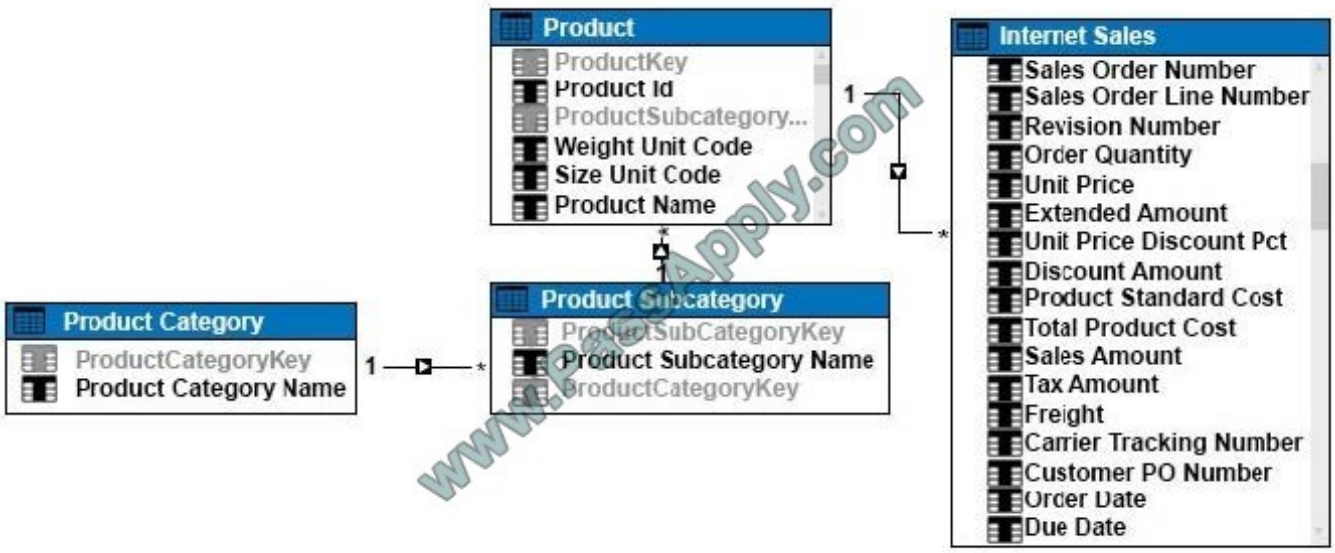
Correct Answer:



Box 1:DYNAMIC SET Box 2:MEMBER Box 3:DYNAMIC SET Box 4:[Geography].[City].[City].members Box 5:[Measures].[Reseller Sales Amount] References: https://docs.microsoft.com/en-us/sql/mdx/aggregate-mdx

QUESTION 5

You are a business analyst for a company that uses a Microsoft SQL Server Analysis Services (SSAS) tabular database for reporting. The database model contains the following tables:



You have been asked to write a query for a report that returns the total sales for each product subcategory, as well as for each product category.

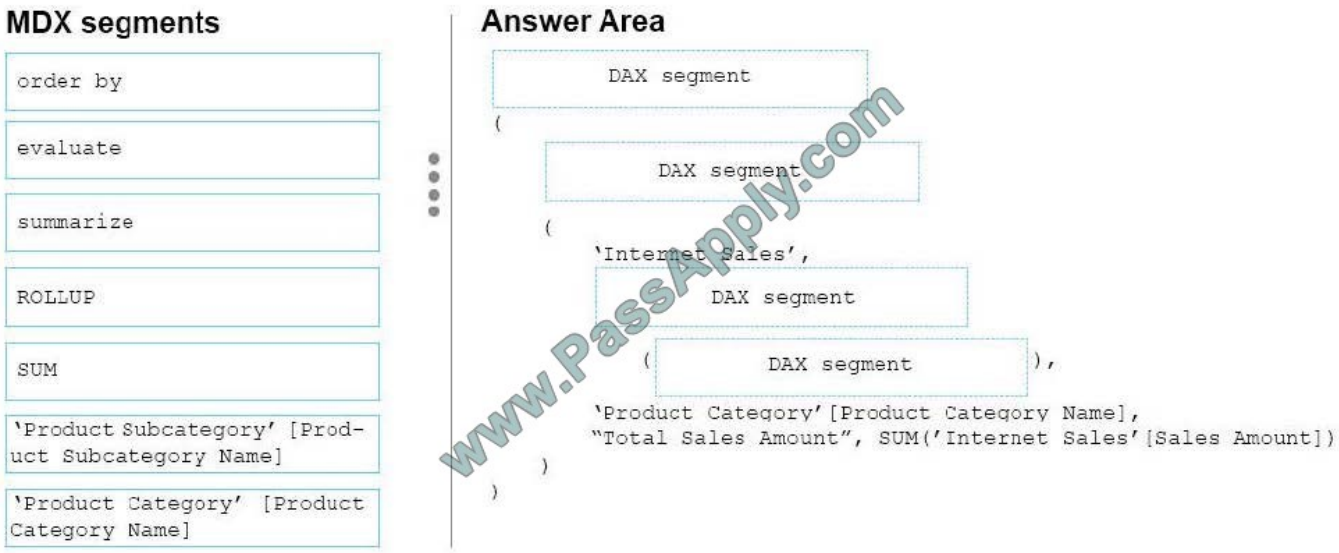
You need to write the query to return the data for the report.

How should you complete the DAX statement? To answer, drag the appropriate DAX segment to the correct locations. Each DAX segment may be used once, more than once, or not at all. You may need to drag the split bar between panes

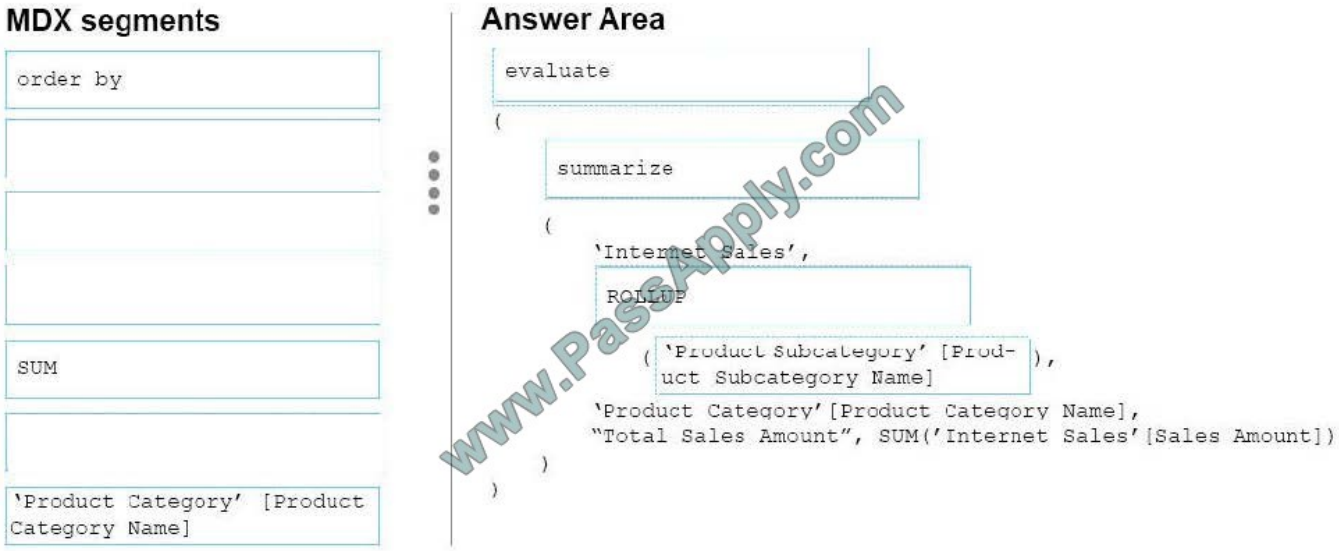
or

scroll to view content.

Select and Place:



Correct Answer:



Box 1:EVALUATE

Box 2:SUMMERIZE

Box 3:ROLLUP

Box 4:\\'Product Subcategory\\' [\\'Product Subcategory Name]

Note: The behavior of SUMMARIZE is similar to the GROUP BY syntax of a SELECT statement in SQL. For example, consider the following query.

EVALUATE

SUMMARIZE(

\\'Internet Sales\\',

\\'Internet Sales\\'[Order Date],

"Sales Amount", SUM(\\'Internet Sales\\'[Sales Amount])

)

This query calculates the total of Sales Amount for each date in which there is at least one

order,

producing this result.

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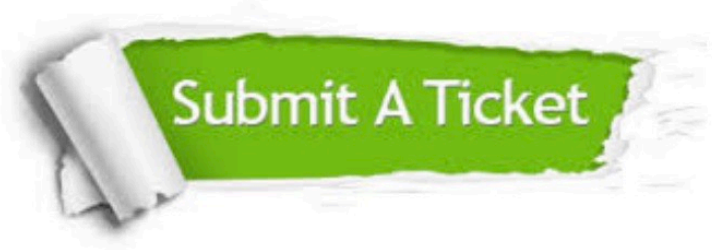

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