



PL-300^{Q&As}

Microsoft Power BI Data Analyst

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QUESTION 1

Note: This question is a part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is

exactly the same in each question in this series.

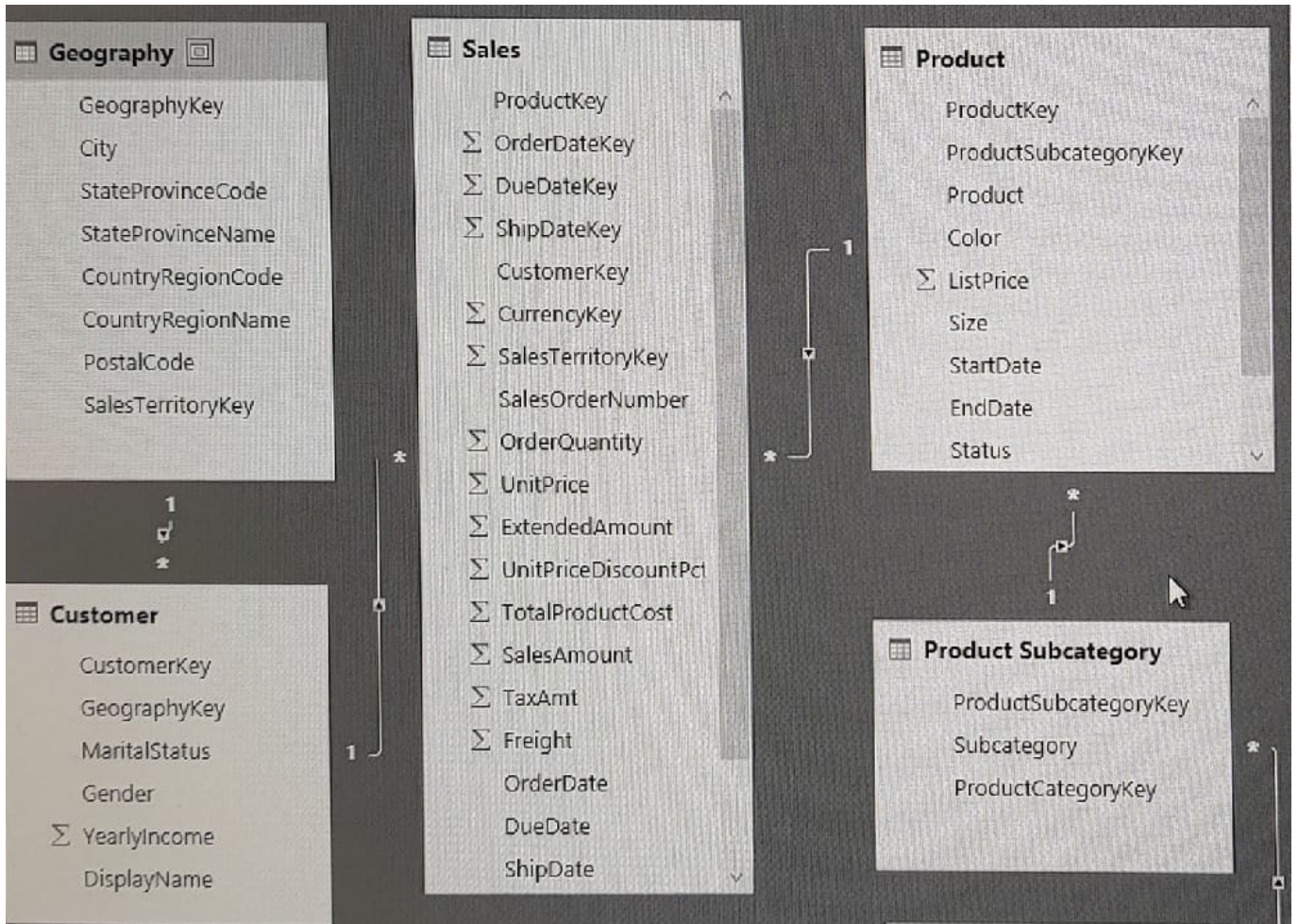
Start of repeated scenario

You have a Microsoft SQL Server database that has the tables shown in the Database Diagram exhibit. (Click the Exhibit.)

Database Diagram



You plan to develop a Power BI model as shown in the Power BI Model exhibit. (Click the Exhibit).



You plan to use Power BI to import data from 2013 to 2015.

Product Subcategory [Subcategory] contains NULL values.

End of repeated scenario.

You implement the Power BI model.

You need to add a measure to rank total sales by product. The results must appear as shown in the following table.

Rank	Product	SalesAmount
1	Product3	13,000
1	Product2	13,000
2	Product1	12,000
3	Product5	10,000
3	Product4	10,000

Which DAX formula should you use?

A. Product Ranking= RANKX (Product, [SalesAmount], , DESC, Skip)



B. Product Ranking= RANKX (ALL, (' Product\'), [SalesAmount], , DESC, Dense)

C. Product Ranking= RANKX (ALL, (' Product\'), [SalesAmount], , DESC, Skip)

D. Product Ranking= RANKX (ALL (' Product\'), [SalesAmount], , Asc, Dense)

Correct Answer: B

References: <https://msdn.microsoft.com/en-us/library/gg492185.aspx>

QUESTION 2

You have a Power BI model that contains a table named Employee. The table contains the following data. Each employee has one manager as shown in the ParentEmployeeID column

Name	EmployeeID	ParentEmployeeID
David	100	100
Simon	101	100
Wenanta	102	100
Conrad	103	101
Priyish	104	103
Sunil	105	103
Pavel	106	102

All reporting paths lead to the CEO at the top of the organizational hierarchy.

You need to create a calculated column that returns the count of levels from each employee to the CEO.

Which DAX expression should you use?

A. PATHLENGTH(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]))

B. PATHITEM(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1,INTEGER)

C. PATHCONTAINS(PATH(Employee[EmployeeID],Employee[ParentEmployeeID]),1)

D. PATH(Employee[EmployeeID],Employee[ParentEmployeeID])

Correct Answer: A

Although for CEO it returns 1 - so I personally would subtract 1 from this PATHLENGTH when creating the report, as I think numbers of levels from CEO to CEO is 0, for managers directly under CEO it is 1 etc

QUESTION 3

HOTSPOT



You need to create a measure that will return the percentage of late orders.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Late Orders Percent =

VAR OrderCount =

COUNTROWS ('Orders')

VAR LateOrders =

- SUM
- COUNTX
- CALCULATE
- CALCULATETABLE

COUNTROWS ('Orders'),

- FILTER
- ALLEXCEPT
- CALCULATE
- DATESBETWEEN

(Order,

- Orders[OrderDate] > Orders[RequiredDate]
- Orders[ShippedDate] >= Orders[OrderDate]
- Orders[ShippedDate] < Orders[RequiredDate]
- Orders[ShippedDate] > Orders[RequiredDate]

RETURN

DIVIDE (LateOrders, OrderCount)

Correct Answer:



Answer Area

```
Late Orders Percent =
VAR OrderCount =
    COUNTROWS ( 'Orders' )
VAR LateOrders =
    CALCULATE (
        COUNTROWS ( 'Orders' ),
        FILTER (
            'Orders',
            Orders[ShippedDate] > Orders[RequiredDate]
        )
    )
RETURN
    DIVIDE ( LateOrders, OrderCount )
```

Box 1: CALCULATE

CALCULATE evaluates an expression in a modified filter context.

Syntax: CALCULATE([, [, [, ...]])

Expression - The expression to be evaluated.

filter1, filter2,... (Optional) Boolean expressions or table expressions that defines filters, or filter modifier functions.

Box 2: FILTER

FILTER returns a table that represents a subset of another table or expression.

Syntax: FILTER(,)

Table- The table to be filtered. The table can also be an expression that results in a table.

Filter - A Boolean expression that is to be evaluated for each row of the table. For example, [Amount] > 0 or [Region] = "France"

Box 3: Orders[ShippedDate]> Orders[RequiredDate]

Northwind Traders defines late orders as those shipped after the required shipping date.

Reference:

<https://docs.microsoft.com/en-us/dax/calculate-function-dax>

<https://docs.microsoft.com/en-us/dax/filter-function-dax>



QUESTION 4

HOTSPOT

You have a Power BI model that contains a table named Date. The table has the following columns.

Name	Sample value
Date	2022-06-01
Year	2022
Month Number	6
Month Name	June
Year Month	2022 Jun

Hot Area:

Month Year Sort = [Year] / 100 + [Month Number]

Correct Answer:

Month Year Sort = [Year] / 100 + [Month Number]

QUESTION 5

In Power BI Desktop, you are creating visualizations in a report based on an imported dataset. You need to allow Power BI users to export the summarized data used to create the visualizations but prevent the users from exporting the underlying data. What should you do?

- A. From Power BI Desktop, configure the Data Load settings for the current file.
- B. From the Power BI service, configure the dataset permissions.
- C. From Power BI Desktop, configure the Report settings for the current file.



D. From Power BI Desktop, modify the data source permissions.

Correct Answer: C

The export functionality can be disabled on several levels. First, Power BI Service admins can disable this functionality on tenant level. With that, nobody will be able to export the data. More about that later. Second, as a dataset owner you can decide if you allow your users to export the data. This is managed in dataset settings, but only changeable in Power BI desktop.

No matter what settings are applied in Power BI desktop, the tenant settings will overrule this. In the end the Power BI Service admin decides what options are possible to use.

<https://data-marc.com/2020/04/13/power-bi-governance-why-you-should-consider-to-disable-export-to-excel/>

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-export-data?tabs=powerbi-desktop>

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