



PL-300^{Q&As}

Microsoft Power BI Data Analyst

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QUESTION 1

You have a query that returns the data shown in the following exhibit.

	student	classes
1	Mike A	Math,English,Art
2	Sam B	Physics
3	Kathy S	English, Math

You need to configure the query to display the data as shown in the following exhibit.

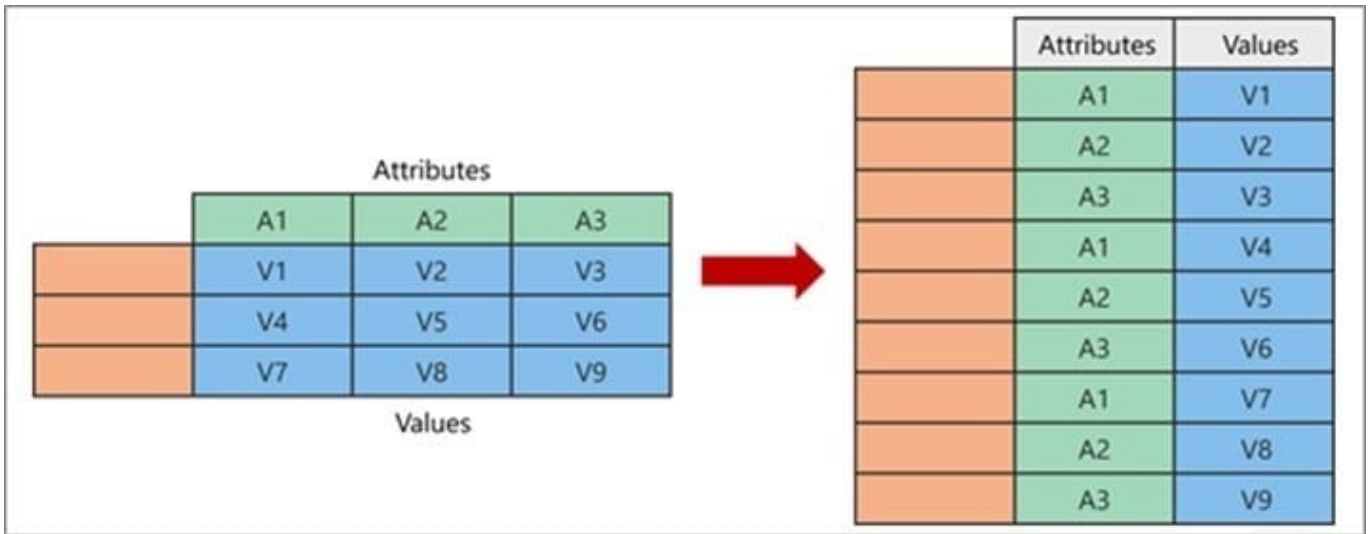
	student	classes
1	Mike A	Math
2	Mike A	English
3	Mike A	Art
4	Sam B	Physics
5	Kathy S	English
6	Kathy S	Math

Which step should you use in the query?

- A. =Table.ExpandListColumn(Table.TransformColumnns(Source, {"classes".Splitter.SplitTextByDelimiter("\\\\",\\"\\", QuoteStyle.None), let itemType - (type nullable text) meta [Serialized.Text = true] in type {itemType}}), "classes")
- B. = Table.Unpivot(Source, {"classes"}, "Attribute", "Value")
- C. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByDelimiterf",", QuoteStyle.None), {"classes.1"})
- D. = Table.SplitColumn(Source, "classes". Splitter.SplitTextByPositions({10}), {"classes.1"})

Correct Answer: B

Power Query Unpivot columns: You might want to unpivot data, sometimes called flattening the data, to put it in a matrix format so that all similar values are in one column. This is necessary, for example, to create a chart or a report.



Chart

Note:

Syntax: Table.Unpivot(table as table, pivotColumns as list, attributeColumn as text, valueColumn as text) as table

Table.Unpivot translates a set of columns in a table into attribute-value pairs, combined with the rest of the values in each row.

Reference:

<https://docs.microsoft.com/en-us/power-query/unpivot-column>

<https://docs.microsoft.com/en-us/powerquery-m/table-unpivot>

QUESTION 2

HOTSPOT

You have two Azure SQL databases that contain the same tables and columns.

For each database, you create a query that retrieves data from a table named Customer.

You need to determine the Customer tables into a single table. The solution must minimize the size of the data model and support scheduled refresh in powerbi.com.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

Option to use to combine the Customer tables:

	▼
Append Queries.	
Append Queries as New.	
Merge Queries.	
Merge Queries as New.	

Action to perform on the original two SQL database queries:

	▼
Delete the queries.	
Disable including the query in report refresh.	
Disable loading the query to the data model.	
Duplicate the queries.	

Correct Answer:

Answer Area

Option to use to combine the Customer tables:

	▼
Append Queries.	
Append Queries as New.	
Merge Queries.	
Merge Queries as New.	

Action to perform on the original two SQL database queries:

	▼
Delete the queries.	
Disable including the query in report refresh.	
Disable loading the query to the data model.	
Duplicate the queries.	

Box 1: Append Queries as New.

There are two primary ways of combining queries: merging and appending.

1.

When you have one or more columns that you'd like to add to another query, you merge the queries.

2.

When you have additional rows of data that you'd like to add to an existing query, you append the query.



Box 2: Disable loading the query to the data model

For every query that loads into model memory will be consumed. and Memory is our asset in the Model, less memory consumption leads to better performance in most of the cases. The best approach is to disable loading.

Reference: <https://docs.microsoft.com/en-us/power-query/append-queries>

QUESTION 3

You import two Microsoft Excel tables named Customer and Address into Power Query Customer contains the following columns:

Customer ID Customer Name Phone Email Address Address ID

Address contains the following columns: Address ID Address Line 1 Address Line 2 City State/Region Country Postal Code

Each Customer ID represents a unique customer in the Customer table. Each Address ID represents a unique address in the Address table. You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer.

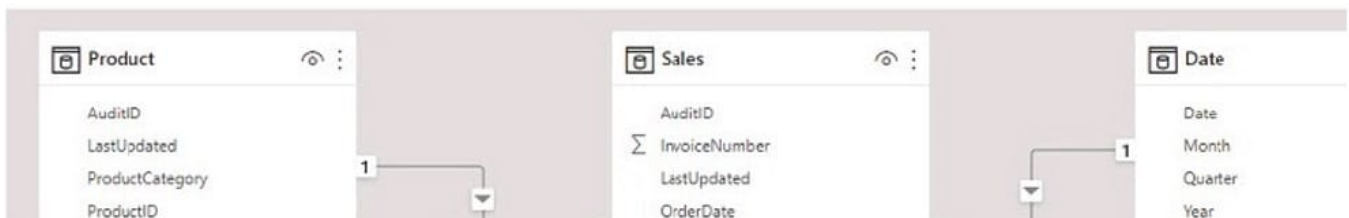
What should you do?

- A. Append the Customer and Address tables.
- B. Transpose the Customer and Address tables.
- C. Group the Customer and Address tables by the Address ID column.
- D. Merge the Customer and Address tables.

Correct Answer: D

QUESTION 4

HOTSPOT



The data model must support the following analysis:

Total sales by product by month in which the order was placed Quantities sold by product by day on which the order was placed Number Of sales transactions by quarter in Which the order was placed For each Of the following statements, select Yes if the statement is true. Otherwise, select NO.



Hot Area:

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
Removing the LastUpdated column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ProductID column from the Sales table reduces the model size while still supporting the required analysis.	<input checked="" type="radio"/>	<input type="radio"/>
Removing the ShipDate column from the Sales table reduces the model size while still	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 5

HOTSPOT

You have the Azure SQL databases shown in the following table.

Name	Stage	Server URL
db-powerbi-dev	Development	dev.database.windows.net
db-powerbi-uat	Test	uat.database.windows.net
db-powerbi-prod	Production	prod.database.windows.net

You plan to build a single PBIX file to meet the following requirements:

1. Data must be consumed from the database that corresponds to each stage of the development lifecycle.
2. Power BI deployment pipelines must NOT be used.
3. The solution must minimize administrative effort.

What should you do? To answer, select the appropriate options in the answer area.

Hot Area:



Create:

One parameter
Two parameters
Three parameters

Parameter type:

Text
True/False
Decimal number

Correct Answer:

Create:

One parameter
Two parameters
Three parameters

Parameter type:

Text
True/False
Decimal number