

## Lesson-4

1. Append also used to combine tables but in append, we can combine 2 or more than 2 tables which we can't do in merge. Also in append, we combine tables vertically (horizontally in merge) and to get the best result the two tables should have the same number of columns with similar data types.



### 2. Steps:

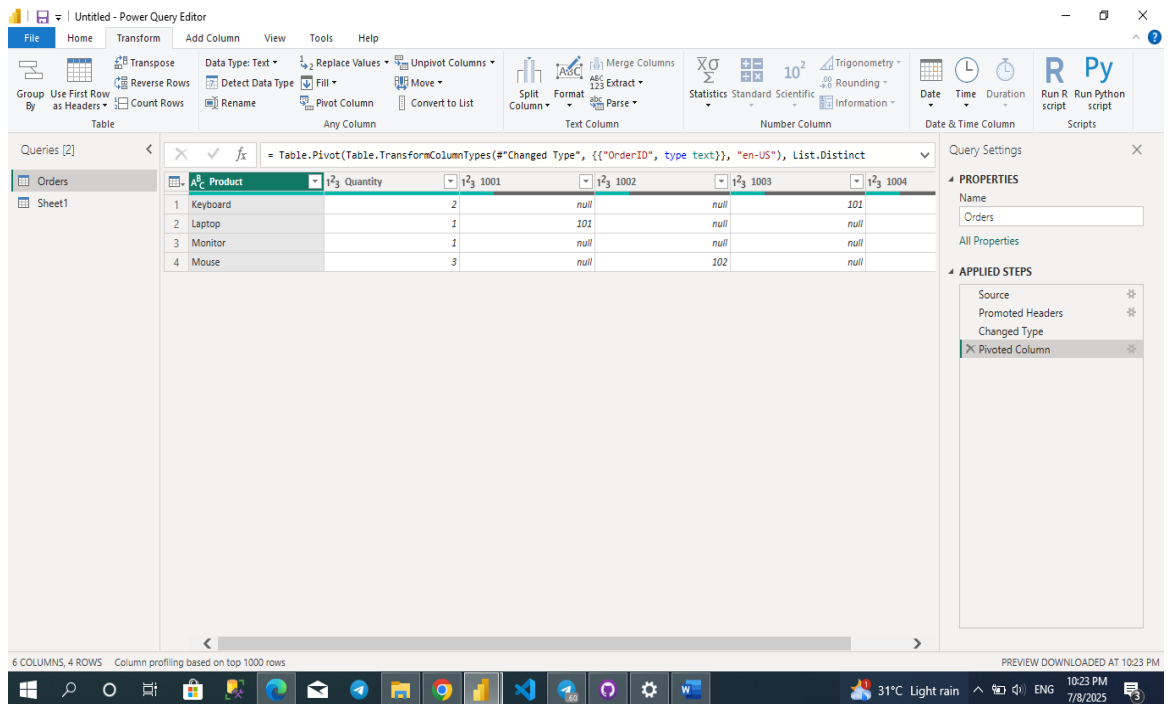
Select the Full Name column

Go to Home → Split Column → By Delimiter

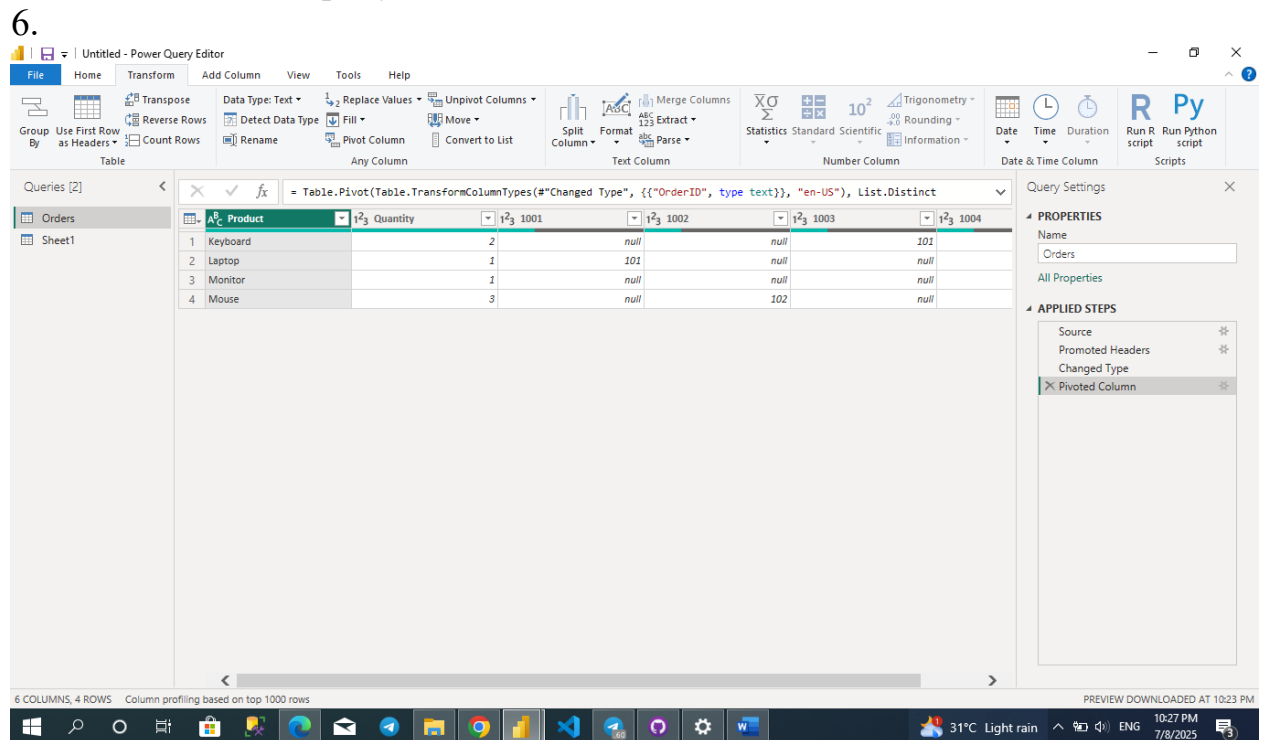
Choose Space as the delimiter

Choose “At the left-most delimiter”

3. In Power BI, pivoting columns transforms rows into columns, effectively changing the orientation of your data. This is done by aggregating values from one or more columns into a new set of columns based on the distinct values in a selected column. This allows for better visualization and analysis, particularly when dealing with data that has repeating values in a column that you want to use as new columns.



4. The step icon and query folding indicator are found only in Power Query Online. The full list of the step parts are: Delete step: When a step is selected, the delete icon appears on the left side of the Applied steps list. If you select the icon, the step is deleted.
5. Duplicate and Reference are two different actions, and they are also different from Copy and Paste of a query. Duplicate will give you an exact copy of the query with all steps, Reference will create a reference to the original query instead as a new query.



7.

Power Query Editor - Untitled - Power Query Editor

Formula Bar: `= Table.ExpandTableColumn(#"Merged Queries", "Sheet1", {"Name", "Email"}, <Name, Email>)`

	CustID	Product	Quantity	Name	Email
1	1001	Laptop	1	Alice	alice@example.com
2	1003	Keyboard	2	Alice	alice@example.com
3	1002	Mouse	3	Bob	bob@example.com
4	1004	Monitor	1	Charlie	charlie@example.com

Query Settings: Name: Orders, All Properties, APPLIED STEPS: Source, Promoted Headers, Changed Type, Merged Queries, Expanded Sheet1.

6 COLUMNS, 4 ROWS. Column profiling based on top 1000 rows. PREVIEW DOWNLOADED AT 9:59 PM

8.

Power Query Editor - Untitled - Power Query Editor

Formula Bar: `= Table.Combine({#"Expanded Sheet1", #"Expanded Sheet1"})`

	CustID	Product	Quantity	Name	Email
1	1001	Laptop	1	Alice	alice@example.com
2	1003	Keyboard	2	Alice	alice@example.com
3	1002	Mouse	3	Bob	bob@example.com
4	1004	Monitor	1	Charlie	charlie@example.com
5	1001	Laptop	1	Alice	alice@example.com
6	1003	Keyboard	2	Alice	alice@example.com
7	1002	Mouse	3	Bob	bob@example.com
8	1004	Monitor	1	Charlie	charlie@example.com

Query Settings: Name: Orders, All Properties, APPLIED STEPS: Source, Promoted Headers, Changed Type, Merged Queries, Expanded Sheet1, Appended Query.

6 COLUMNS, 8 ROWS. Column profiling based on top 1000 rows. PREVIEW DOWNLOADED AT 9:59 PM

9.

Power Query Editor - Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Data Sources Manage Parameters Refresh Preview Advanced Editor Choose Remove Columns Keep Remove Rows Sort Split Column Group By Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [2] Orders Sheet1

fx = Table.FillDown("#Appended Query",{"Email"})

	123 CustID	123 Product	123 Quantity	123 Name	123 Email
1	1001	101 Laptop		1 Alice	alice@example.com
2	1003	101 Keyboard		2 Alice	alice@example.com
3	1002	102 Mouse		3 Bob	bob@example.com
4	1004	103 Monitor		1 Charlie	charlie@example.com
5	1001	101 Laptop		1 Alice	alice@example.com
6	1003	101 Keyboard		2 Alice	alice@example.com
7	1002	102 Mouse		3 Bob	bob@example.com
8	1004	103 Monitor		1 Charlie	charlie@example.com

6 COLUMNS, 8 ROWS Column profiling based on top 1000 rows

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APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Merged Queries
- Expanded Sheet1
- Appended Query
- Filled Down**

10.

Power Query Editor - Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Column From Custom Invoke Custom Function General Conditional Column Index Column Duplicate Column Format Merge Columns Extract Parse Statistics Standard Scientific Rounding Trigonometry Date Time Duration Text Analytics Vision Azure Machine Learning

Queries [2] Orders Sheet1

fx = Table.AddColumn(#"Changed Type", "Text After Delimiter", each Text.AfterDelimiter([Email], "@", type text))

	123 CustID	123 Name	123 Email	123 Text After Delimiter
1	101	Alice	alice@example.com	example.com
2	102	Bob	bob@example.com	example.com
3	103	Charlie	charlie@example.com	example.com

4 COLUMNS, 3 ROWS Column profiling based on top 1000 rows

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APPLIED STEPS

- Source
- Navigation
- Promoted Headers
- Changed Type
- Inserted Text After Delimiter**

11.

12.

FileHomeTransformAdd ColumnViewToolsHelp

Queries [3]

OrdersSheet1Join type

Table.RenameColumns(#"Unpivoted Columns",{{"Attribute", "month"}, {"Value", "Sales"}})

	Quantity	Name	Email	month	Sales
1	101	Alice	alice@example.com	Product	Laptop
2	101	Alice	alice@example.com	Product	Keyboard
3	102	Bob	bob@example.com	Product	Mouse
4	103	Charlie	charlie@example.com	Product	Monitor
5	101	Alice	alice@example.com	Product	Laptop
6	101	Alice	alice@example.com	Product	Keyboard
7	102	Bob	bob@example.com	Product	Mouse
8	103	Charlie	charlie@example.com	Product	Monitor

Query Settings

PROPERTIES

Name

Orders

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Merged Queries

Expanded Sheet1

Appended Query

Filled Down

Unpivoted Columns

Renamed Columns

7 COLUMNS, 8 ROWSColumn profiling based on top 1000 rows

Result

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