

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:

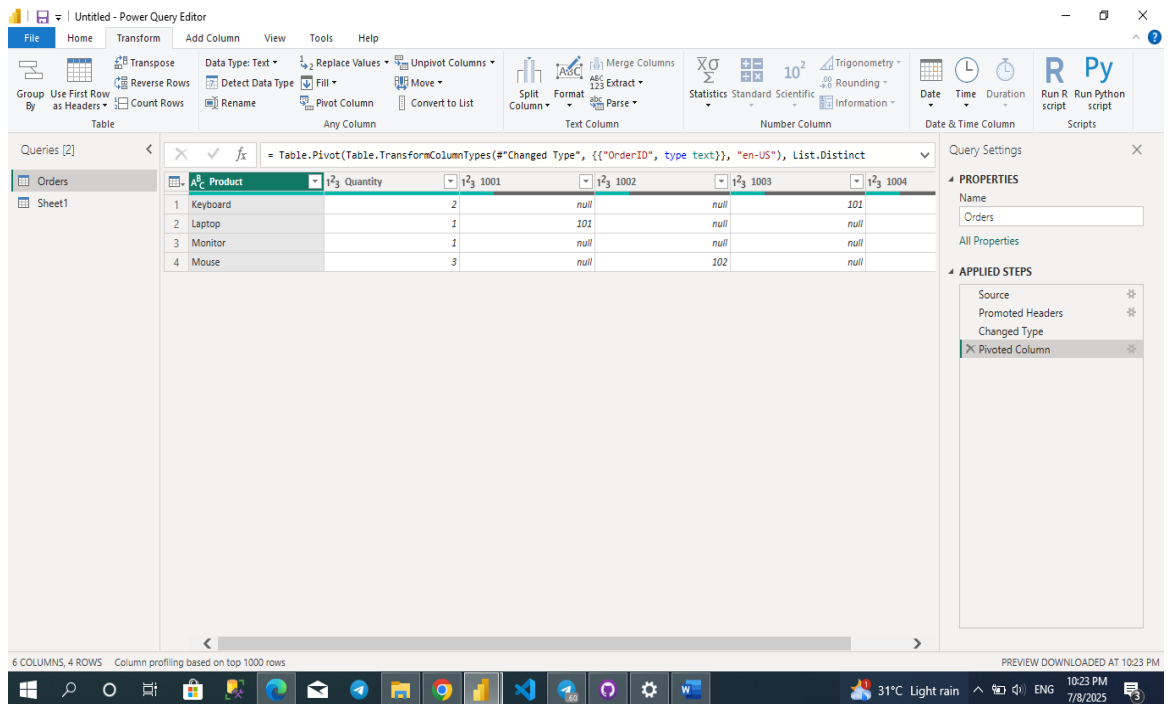
Select the Full Name column

Go to Home → Split Column → By Delimiter

Choose Space as the delimiter

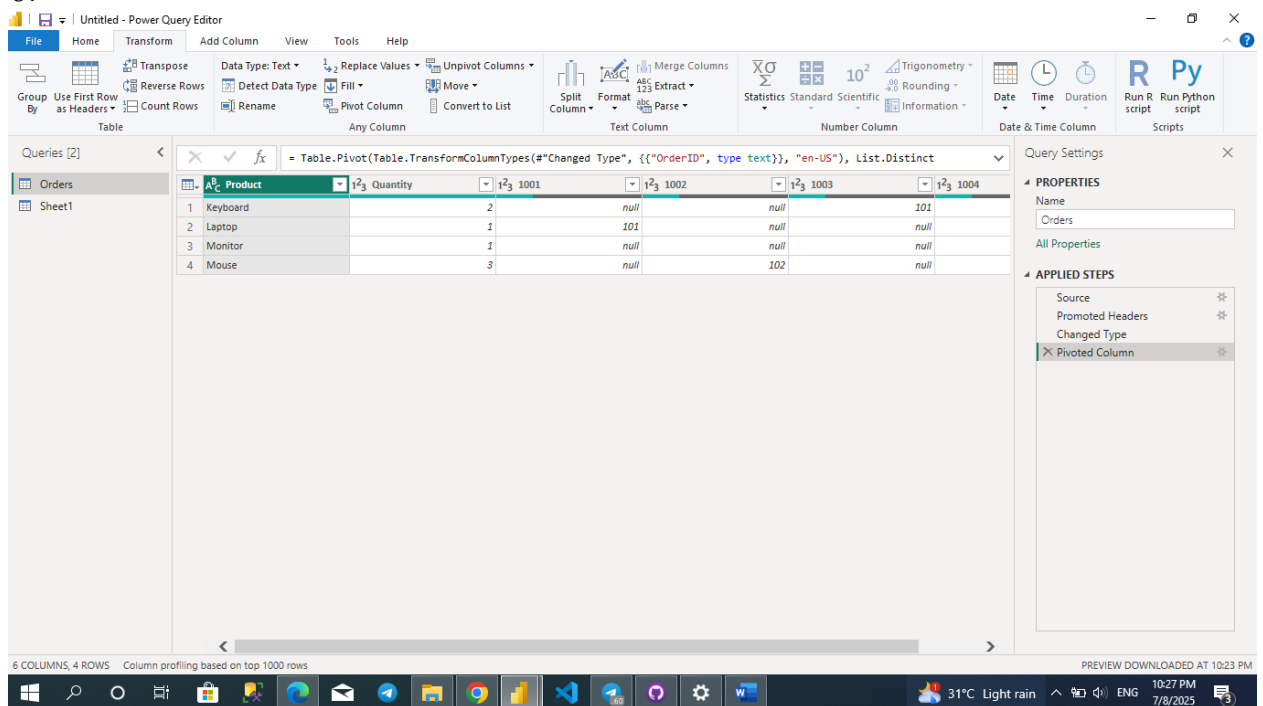
Choose “At the left-most delimiter”

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.

6.



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.

The screenshot shows the Power Query Editor interface. The main area displays a table with 6 columns: CustID, Product, Quantity, Name, and Email. The 'Email' column is highlighted in the 'APPLIED STEPS' pane on the right, which is circled in red. The 'APPLIED STEPS' pane lists the following steps: Source, Promoted Headers, Changed Type, Merged Queries, Expanded Sheet1, Appended Query, and Filled Down. The 'Filled Down' step is highlighted.

	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

10.

The screenshot shows the Power Query Editor interface. The main area displays a table with 4 columns: CustID, Name, Email, and Text After Delimiter. The 'Text After Delimiter' column is highlighted in the 'APPLIED STEPS' pane on the right, which is circled in red. The 'APPLIED STEPS' pane lists the following steps: Source, Navigation, Promoted Headers, Changed Type, and Inserted Text After Delimiter. The 'Inserted Text After Delimiter' step is highlighted.

	CustID	Name	Email	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

11.

FileHomeTransformAdd ColumnViewToolsHelp

Queries [3]

OrdersSheet1Join type

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

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

7 COLUMNS, 8 ROWS

Column profiling based on top 1000 rows

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

Preview Downloaded at 9:59 PM

Result

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