

1. What is the purpose of the "Applied Steps" pane in Power Query?
2. How do you remove duplicate rows in Power Query?
3. What does the "Filter" icon do in Power Query?
4. How would you rename a column from "CustID" to "CustomerID"?
5. What happens if you click "Close & Apply" in Power Query?
6. Remove all rows where Quantity is less than 2.
7. Split the OrderDate column into separate "Year," "Month," and "Day" columns.
8. Replace all "Mouse" entries in the Product column with "Computer Mouse."
9. Sort the table by OrderDate (newest first).
10. How would you handle null values in the Price column?
11. Write custom M-code to add a column calculating TotalSpent = Quantity * Price.
12. Group the table by CustID to show total spending per customer.
13. Fix inconsistent date formats (e.g., 01/10/2023 vs. 2023-01-10) in OrderDate.
14. Create a conditional column: Label orders as "High Value" if Price > 100.
15. Optimize the query to reduce refresh time (e.g., remove unused columns early).

1. What is the purpose of the "Applied Steps" pane in Power Query?

The "Applied Steps" pane shows a sequential list of transformations (steps) you've performed on your data.

2. How do you remove duplicate rows in Power Query?

To remove duplicate rows in Power Query, select the required column(s) and choose "Remove Rows" / "Remove Duplicates" from the "Home" menu.

3. What does the "Filter" icon do in Power Query?

The filter icon allows you to filter rows based on conditions—like selecting specific values, ranges, or excluding nulls—similar to Excel filters.

4. How would you rename a column from "CustID" to "CustomerID"?

There are several ways to rename columns:

1. Right-click on the column header and select Rename.
2. Double-click on the column header with the left mouse button to edit the name directly.
3. Select the desired column, then go to the Transform menu and choose Rename to change the column name.

5. What happens if you click "Close & Apply" in Power Query?

It closes Power Query and applies the transformed data to the Power BI file.

6. Remove all rows where Quantity is less than 2.

7. Split the OrderDate column into separate "Year," "Month," and "Day" columns.
8. Replace all "Mouse" entries in the Product column with "Computer Mouse."
9. Sort the table by OrderDate (newest first).

10. How would you handle null values in the Price column?

You can either remove or replace the null values in the Price column.

To remove them, select the relevant column(s) and choose Remove Rows > Remove Blank Rows.

To replace them, select the column(s) and use Replace Values from the Transform menu.

11. Write custom M-code to add a column calculating TotalSpent = Quantity * Price.
`Table.TransformColumnTypes("#Added Custom",{{"TotalSpent ", Currency.Type}})`

12. Group the table by CustID to show total spending per customer.

13. Fix inconsistent date formats (e.g., 01/10/2023 vs. 2023-01-10) in OrderDate

To fix this, change the Data Type to Date from the Transform menu. After that, the date can be displayed in your preferred format.

14. Create a conditional column: Label orders as "High Value" if Price > 100.

15. Optimize the query to reduce refresh time (e.g., remove unused columns early).