

## Power Query Homework Answers

1. The 'Applied Steps' pane in Power Query shows each transformation step. It allows tracking, editing, or deleting steps applied to data.
2. To remove duplicate rows, select the desired column(s), then go to Home > Remove Rows > Remove Duplicates.
3. The Filter icon is used to filter rows based on specific values or conditions.
4. To rename a column from 'CustID' to 'CustomerID', right-click the column name and choose 'Rename'.
5. Clicking 'Close & Apply' applies all changes in Power Query and loads data into the Power BI data model.
6. To remove all rows where Quantity is less than 2: Filter the Quantity column > Choose 'is greater than or equal to' 2.
7. To split OrderDate: Select OrderDate column > Go to 'Transform' > 'Date' > 'Year', 'Month', and 'Day'.
8. To replace 'Mouse' with 'Computer Mouse': Right-click Product column > Replace Values > 'Mouse' to 'Computer Mouse'.
9. To sort the table by OrderDate (newest first): Select OrderDate column > Sort Descending.
10. Null values in the Price column can be handled by replacing them, removing them, or using 'Fill Down/Up'.
11. M-code to add TotalSpent column:  
  
= Table.AddColumn(PreviousStep, "TotalSpent", each [Quantity] \* [Price])
12. To group by CustID and show total spending: Use 'Group By' on CustID, aggregate TotalSpent with 'Sum'.
13. Fix inconsistent OrderDate formats using 'Transform > Data Type > Date' and formatting tools.
14. To create a conditional column for High Value orders:  
  
If [Price] > 100 then 'High Value' else null.
15. To optimize query performance: remove unused columns and unnecessary steps early to reduce refresh

time.