1. **What is the difference between "Merge" and "Append" in Power Query?**

   Both merge and append is for joining datas in tables. If you want to add data to columns you use merge, if you want to add data to rows you use append in Power query

2. **How do you split a "Full Name" column into "First Name" and "Last Name"?**

   You can use ‘Split Column’ and choose ‘by delimeter’ and you can make the delimeter the space and the result will be two separated columns, you can then double click the column name and rename it.

3. **What is "Pivot Columns" used for?**

   In Power BI, the "Pivot Columns" feature is used to transform data by rotating a column into multiple columns, effectively summarizing data by creating new columns based on unique values in the selected column. This process is particularly useful when dealing with data that has a lot of rows with similar attributes that you want to analyze as separate columns.

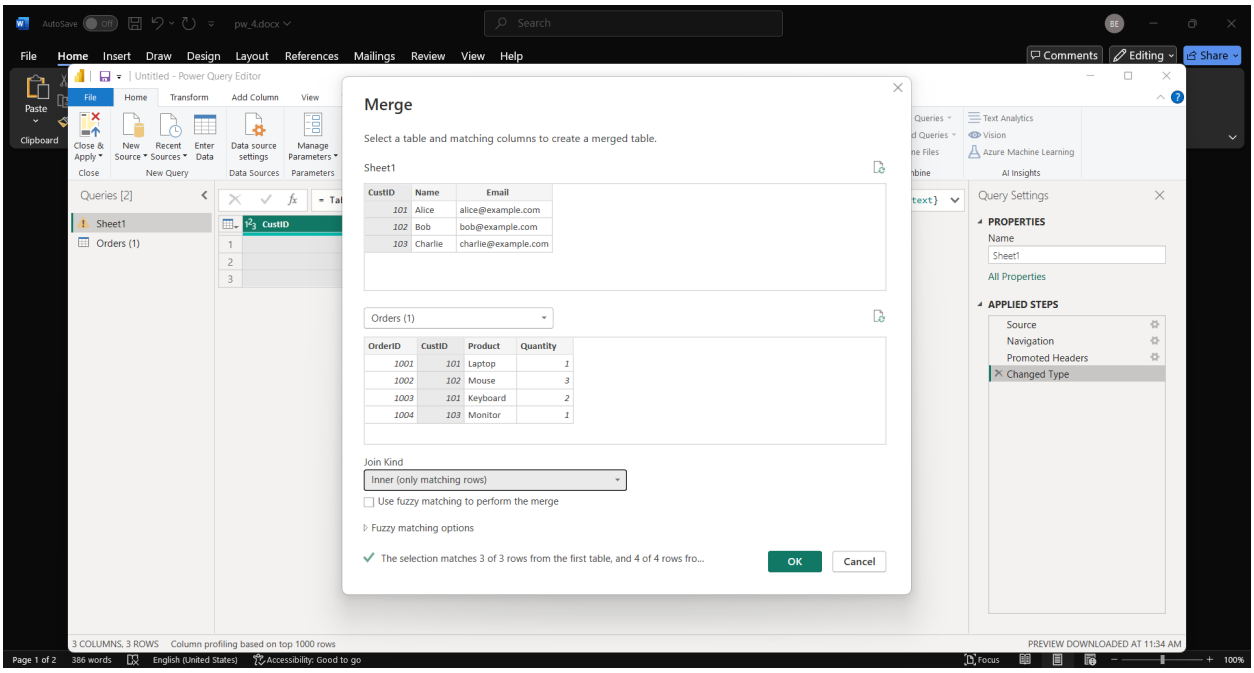
4. **How do you undo a step in Power Query?**

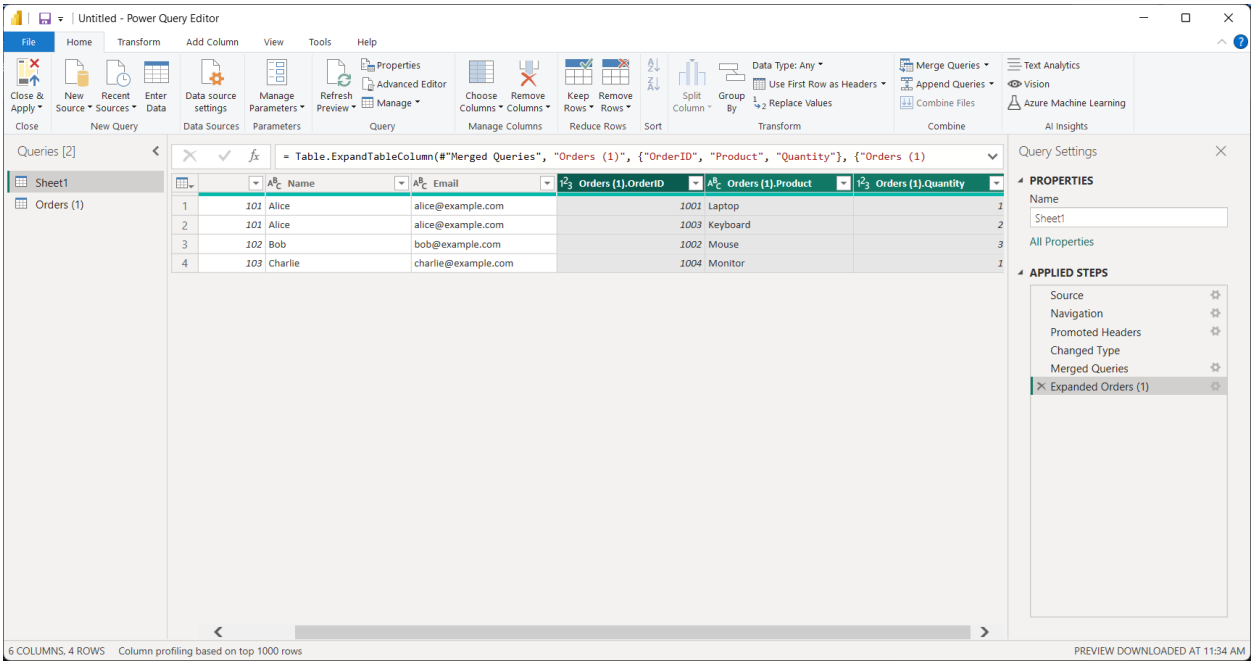
   To undo a step, simply select the step and press X (red cross mark) symbol next to it

5. **What is the purpose of "Reference" vs. "Duplicate" in queries?**

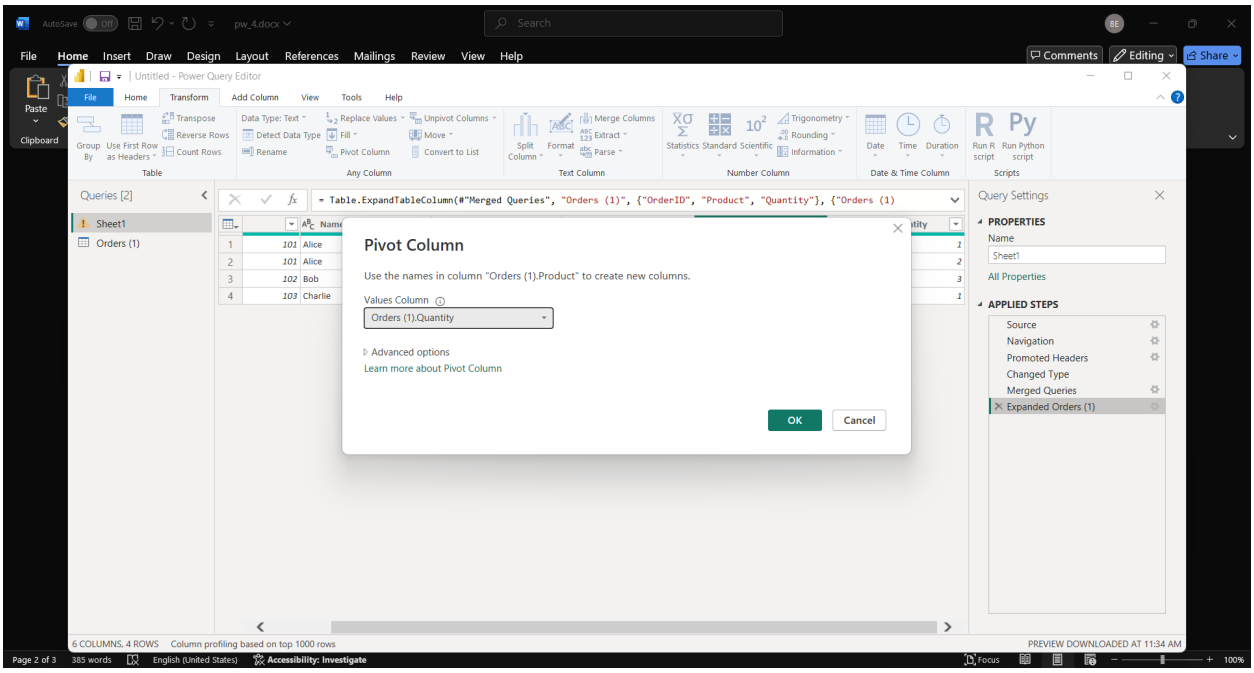
   Duplicating and referencing is a form of querying in the Query Editor. Both of these create a new query as a result. Duplicating a Query creates a copy of the original query with all the steps copied in the same order. Whereas, Referencing a Query creates a query with a single step referencing its parent source query.

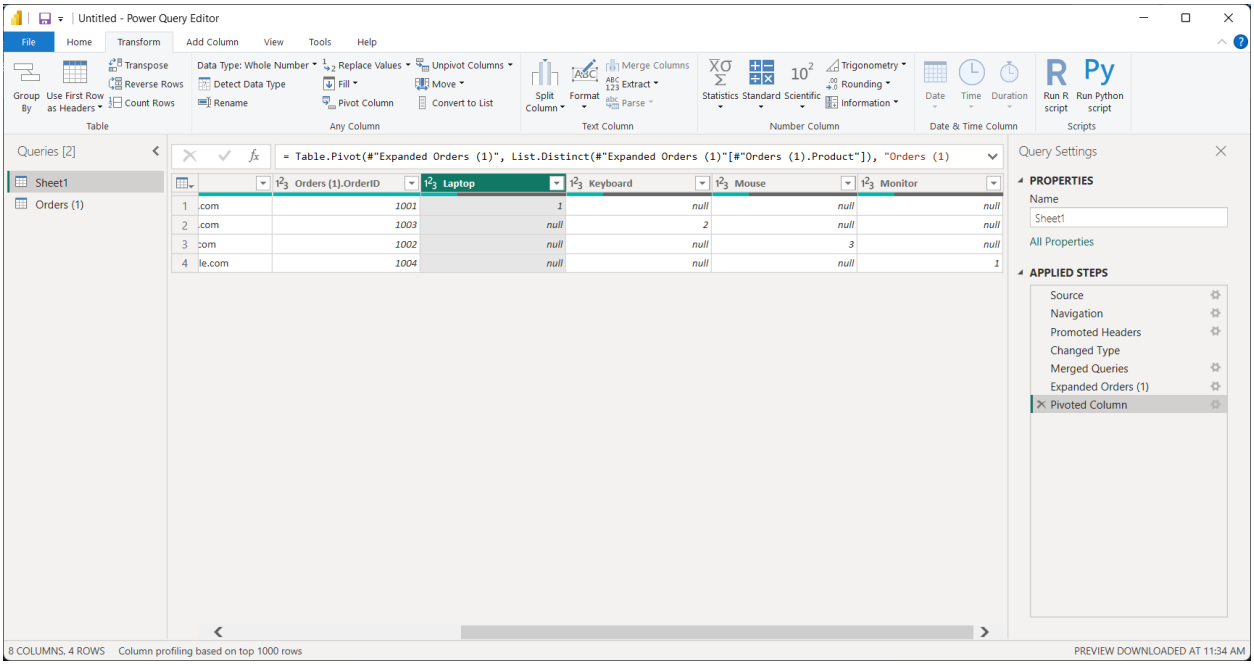
6. **Merge Orders.csv and Customers.xlsx on CustID (inner join).**



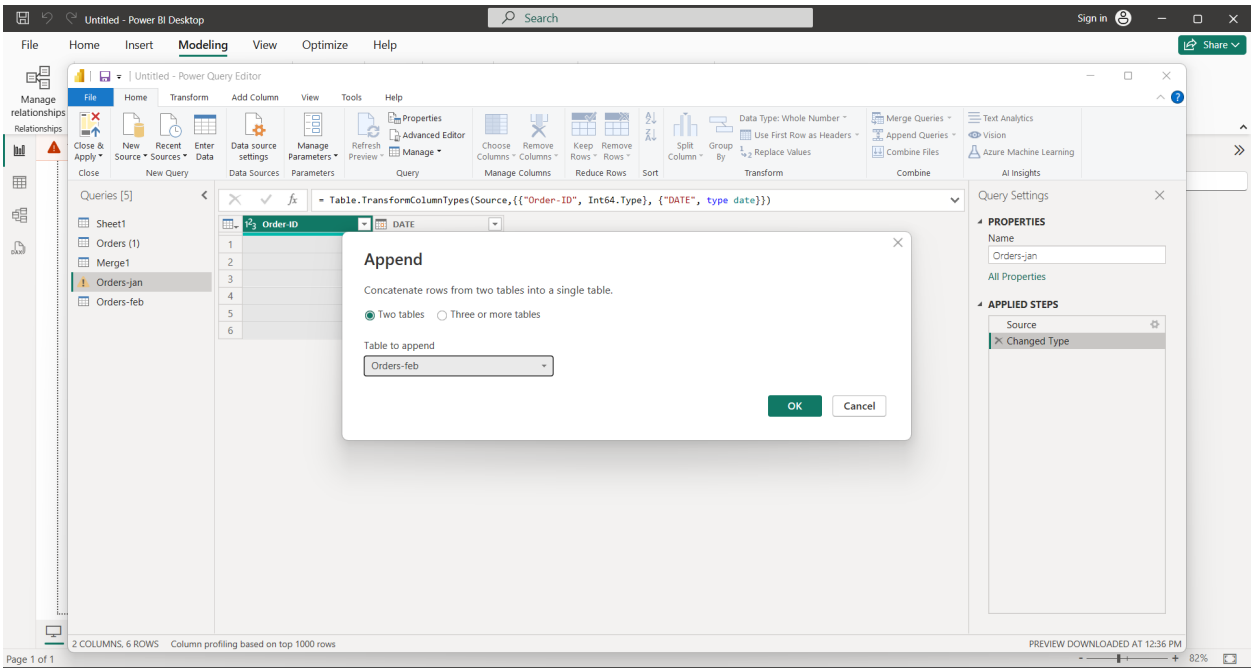


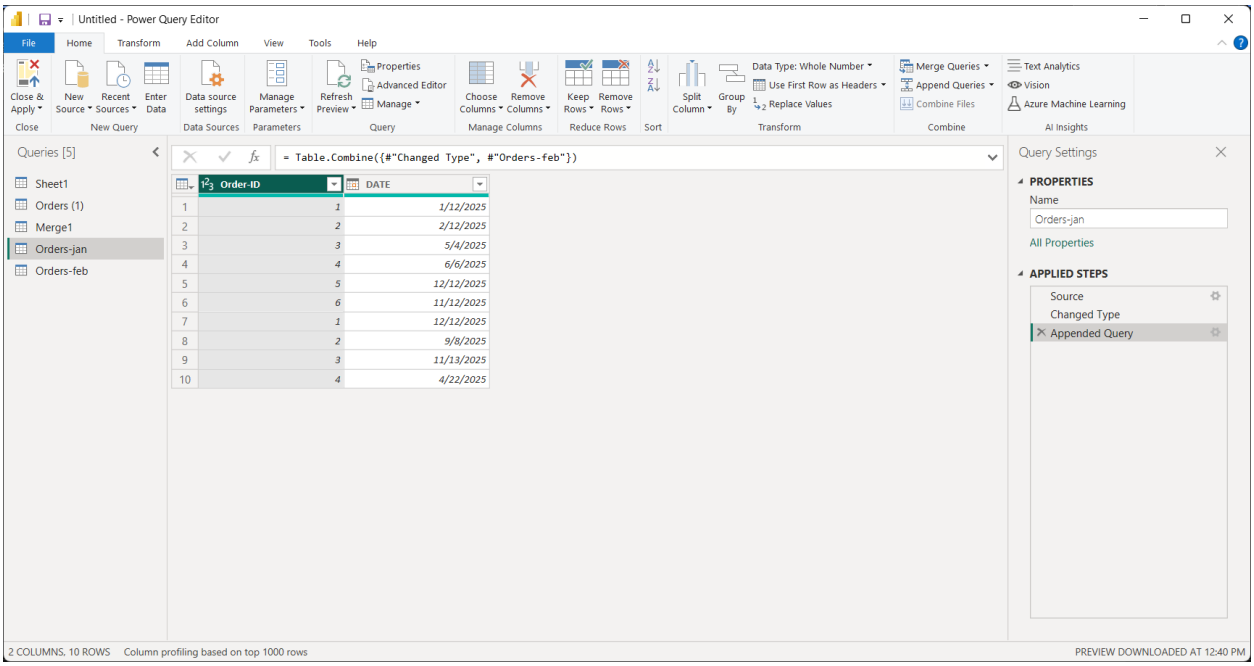
7. Pivot the Product column to show total Quantity per product.



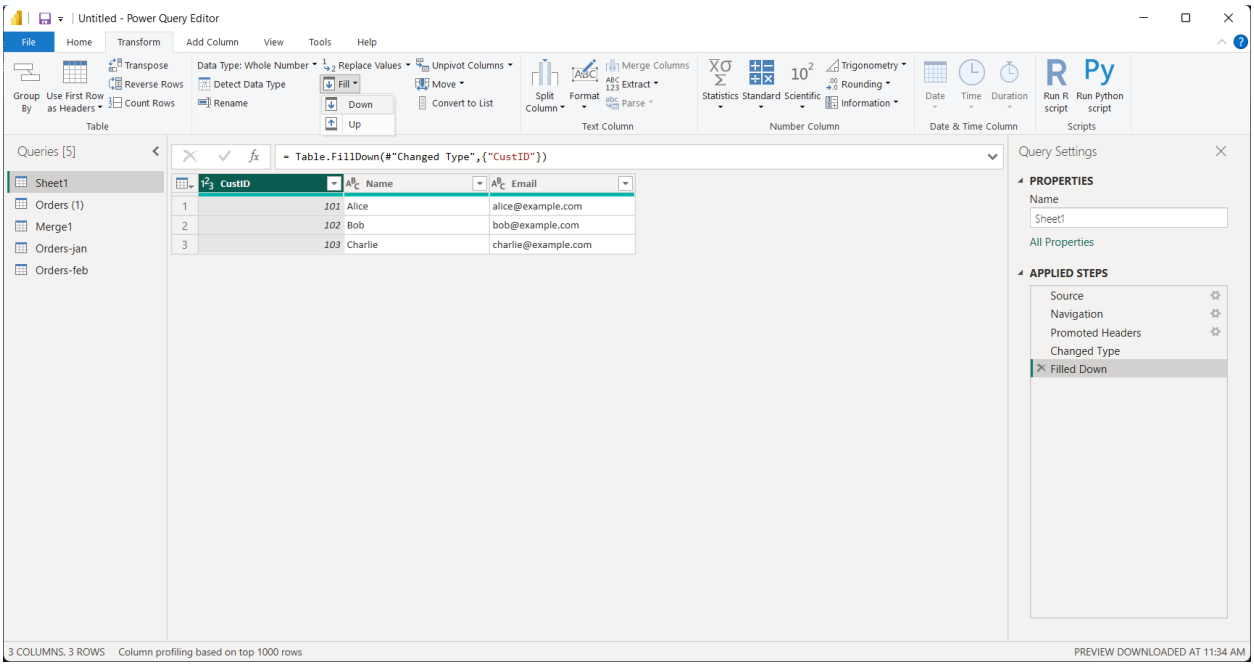


8. Append two tables with identical columns (e.g., Orders_Jan.csv + Orders_Feb.csv).

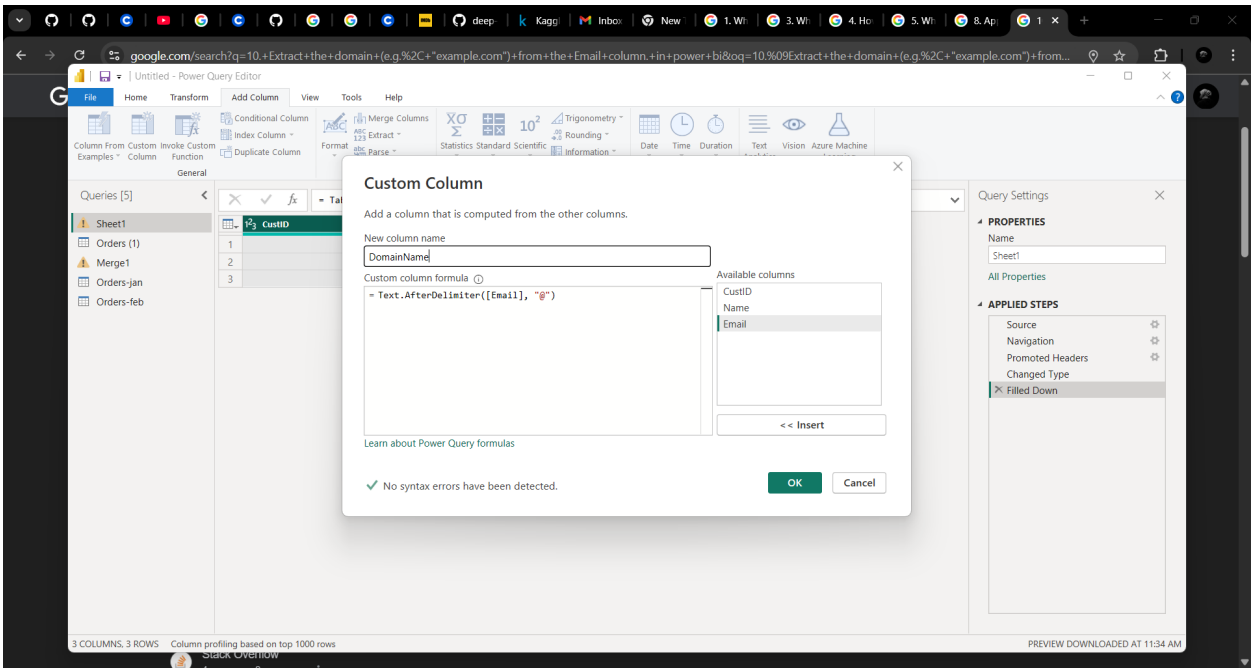


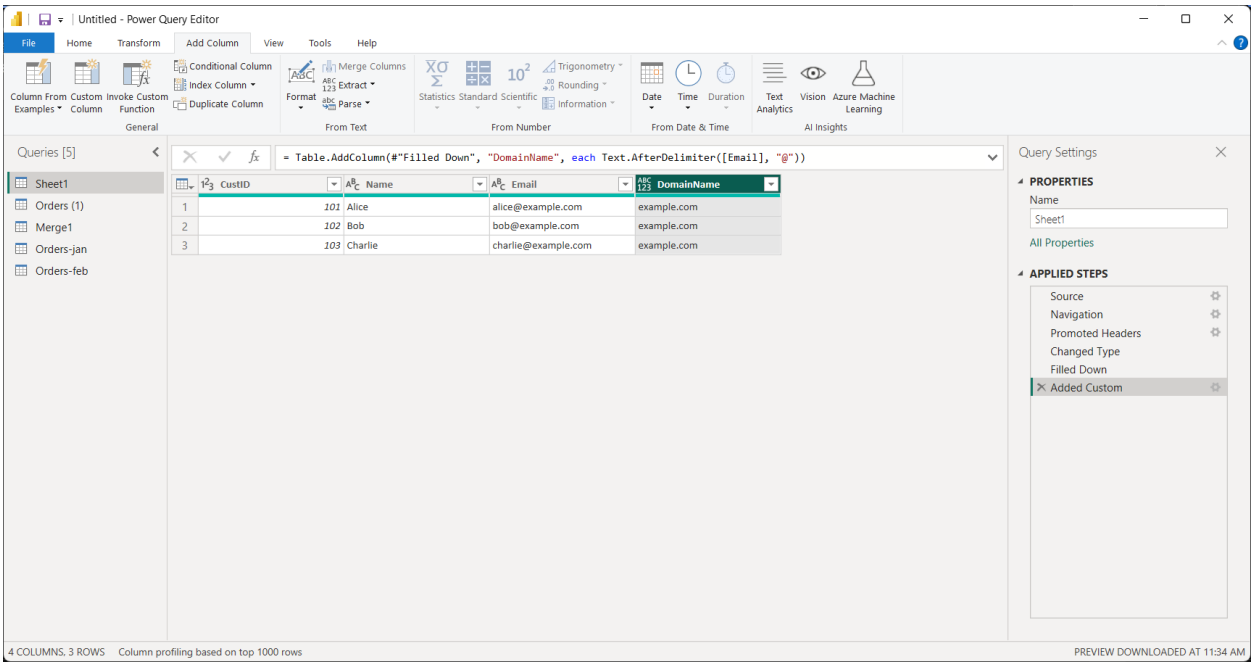


9. Use "Fill Down" to replace nulls in the Email column with the previous value.

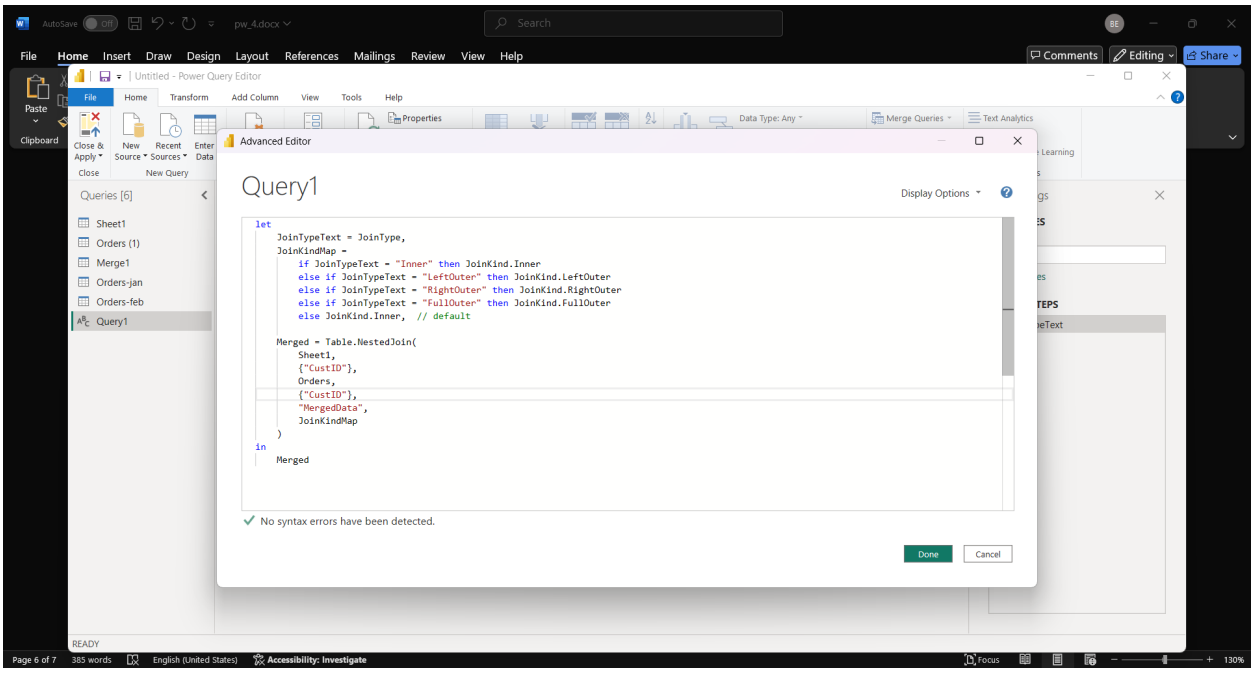


10. Extract the domain (e.g., "example.com") from the Email column.



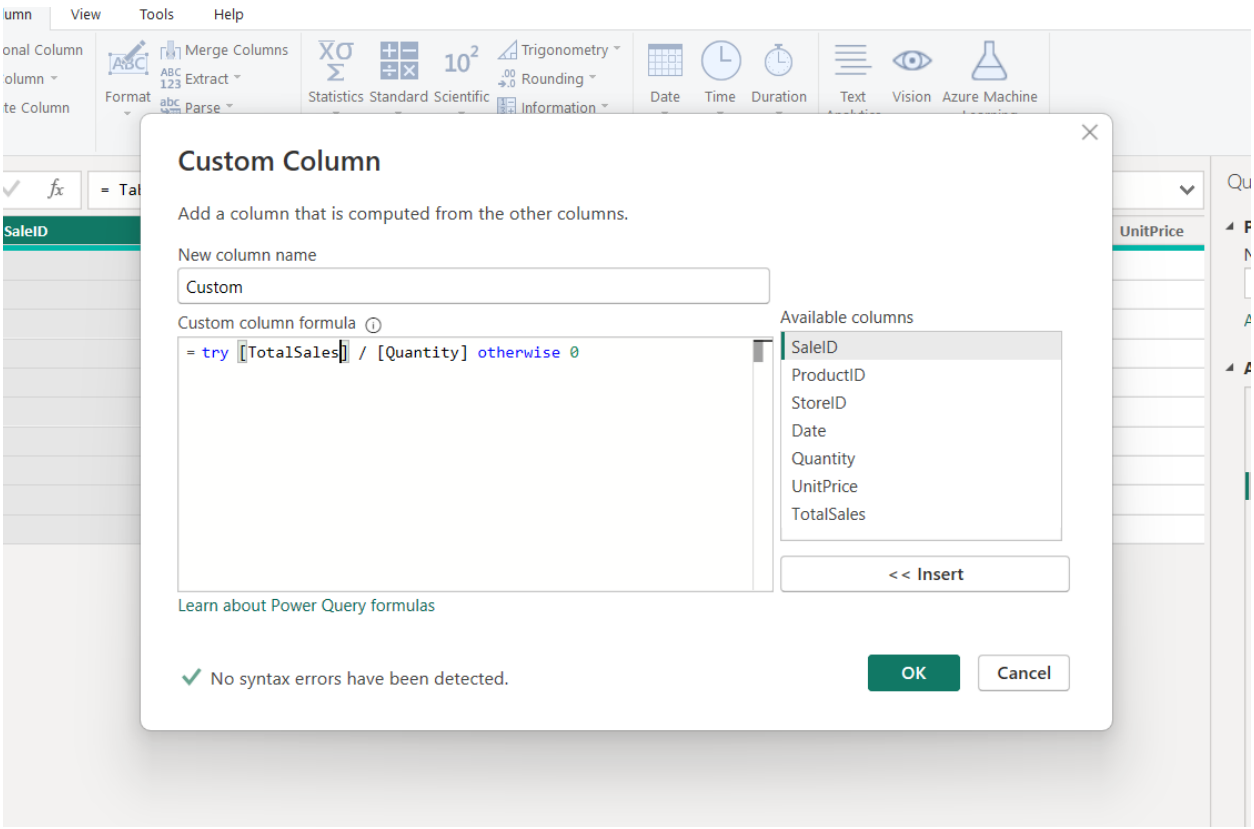


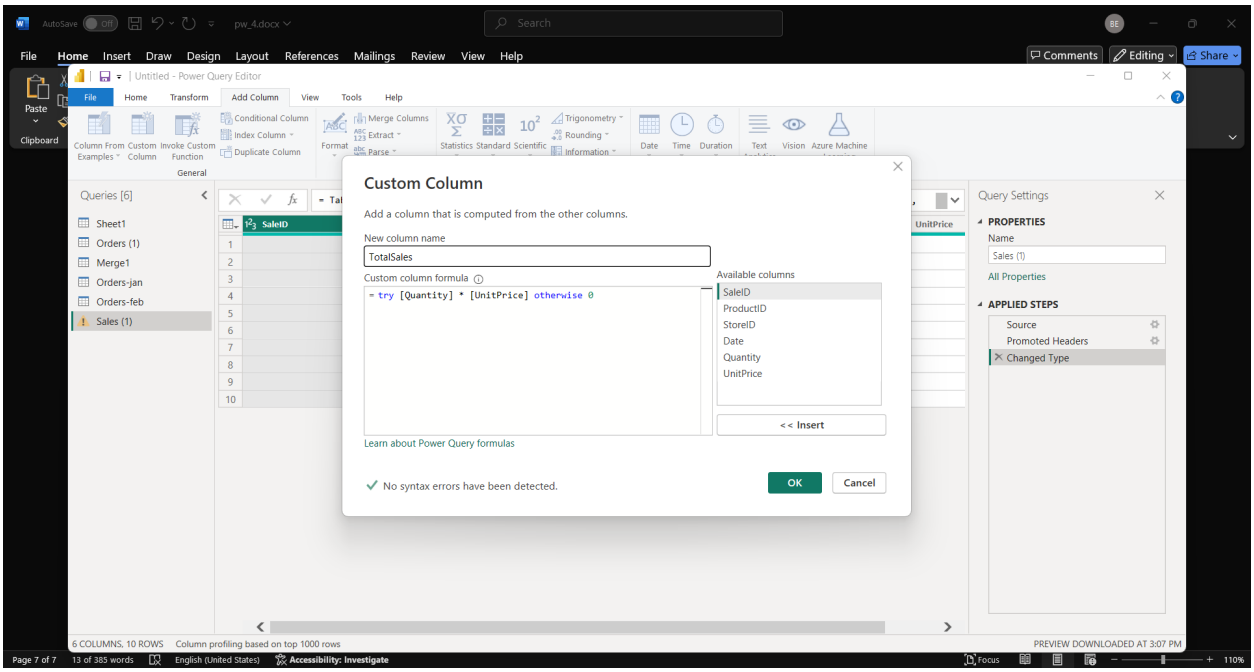
11. Write M-code to merge queries dynamically based on a parameter (e.g., JoinType = "Inner").

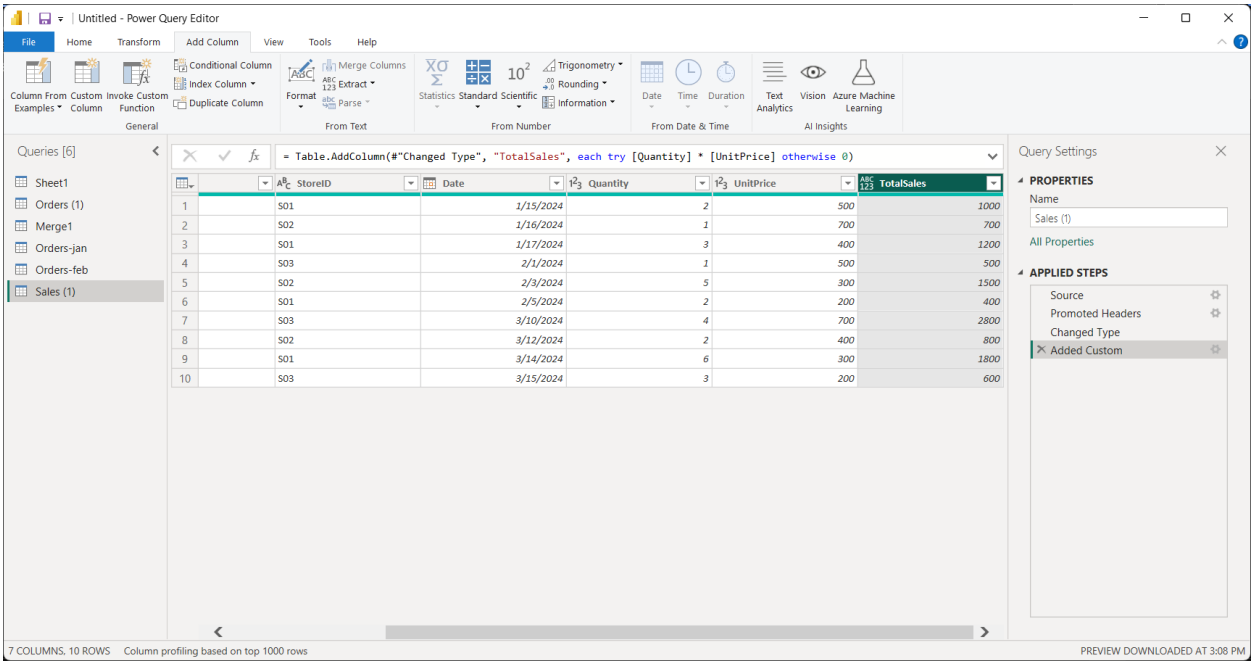


12. Unpivot a table with columns like "Jan_Sales," "Feb_Sales" into a "Month" and "Sales" format.

13. Handle errors in a custom column (e.g., division by zero) using try...otherwise.


View
Tools
Help
Merge Columns
Extract
Parse
Format
Statistics
Standard
Scientific
Trigonometry
Rounding
Information
Date
Time
Duration
Text
Vision
Azure Machine
Custom Column
Add a column that is computed from the other columns.
New column name
Custom
Custom column formula
= try [TotalSales] / [Quantity] otherwise 0
Available columns
SaleID
ProductID
StoreID
Date
Quantity
UnitPrice
TotalSales
<< Insert
Learn about Power Query formulas
No syntax errors have been detected.
OK
Cancel
SaleID
UnitPrice





14. Create a function in Power Query to clean phone numbers (e.g., remove dashes).

15. Optimize a query with 10+ steps—identify bottlenecks and simplify.