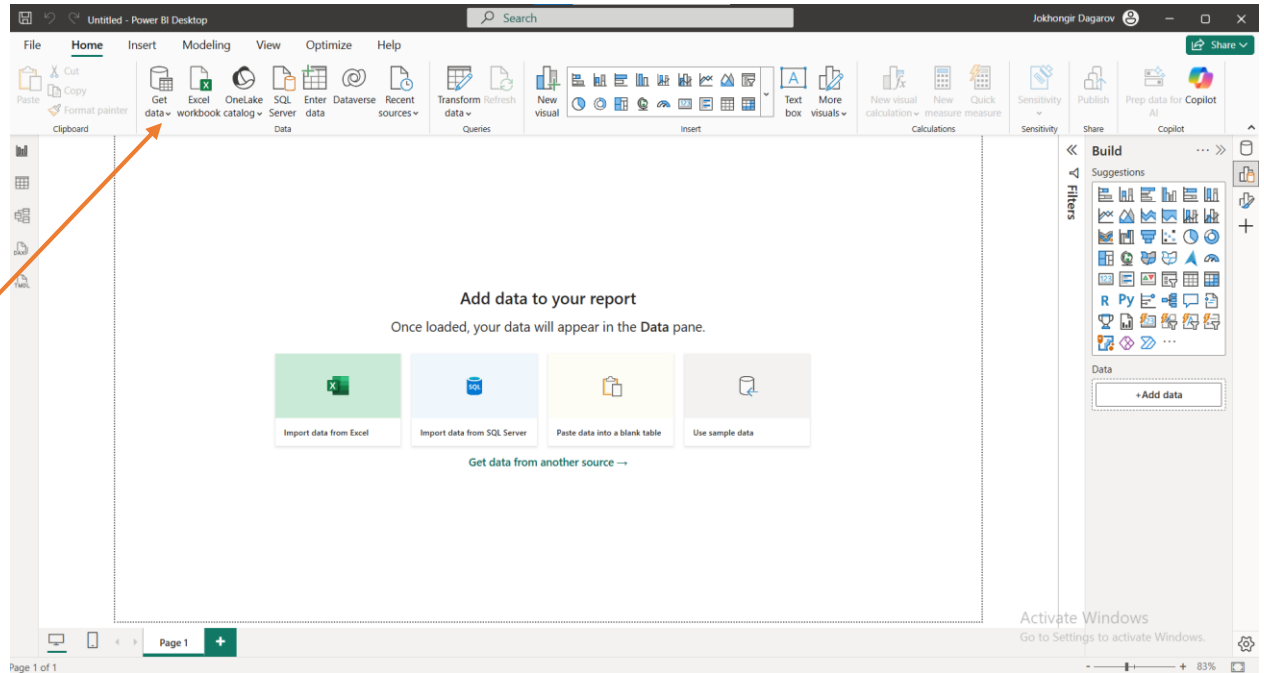


1. List three data sources Power BI can connect to:

- Excel
- SQL Server
- Web API

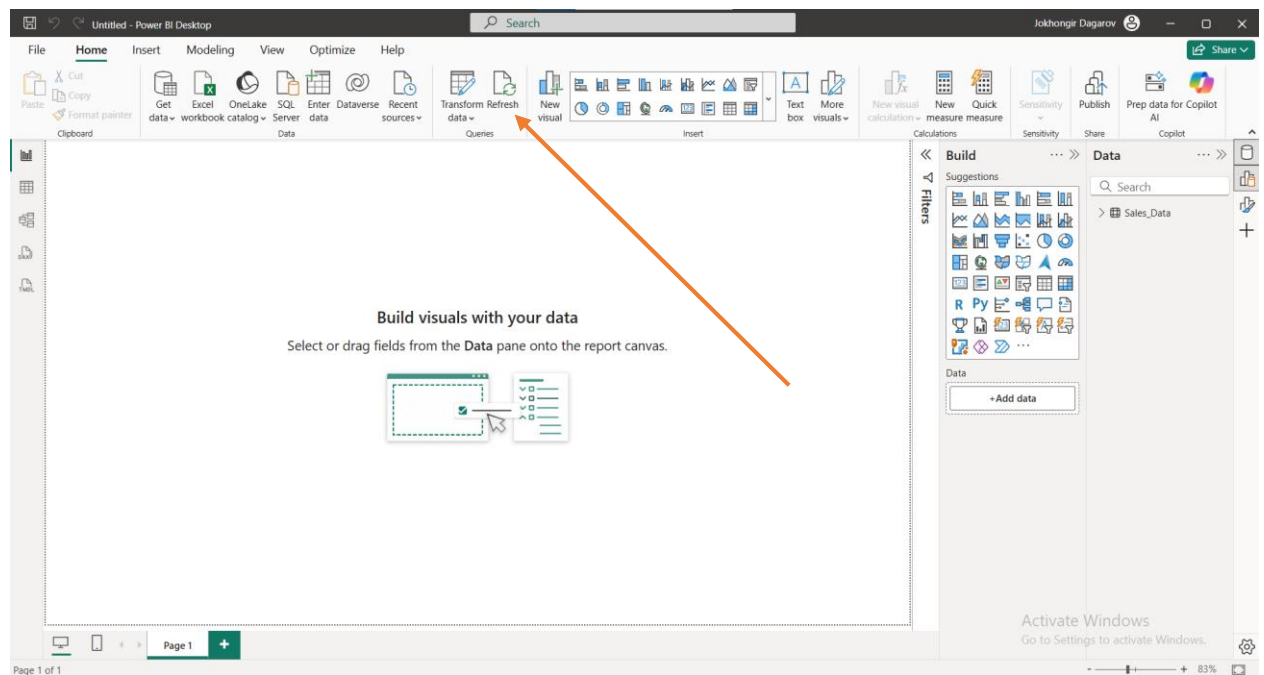
2. What is the first step to import data into Power BI Desktop?

Home tab → Click Get Data



3. How do you refresh imported data in Power BI?

Home tab → Click Refresh



4. What file formats can Power BI import directly? (Name two.)

- .CSV
- .xlsx

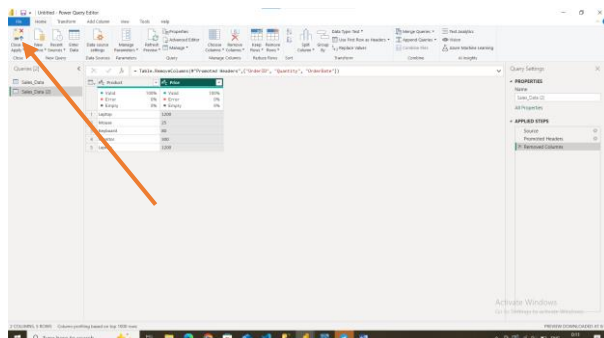
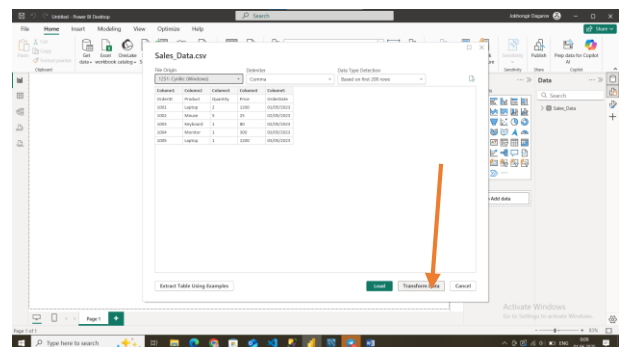
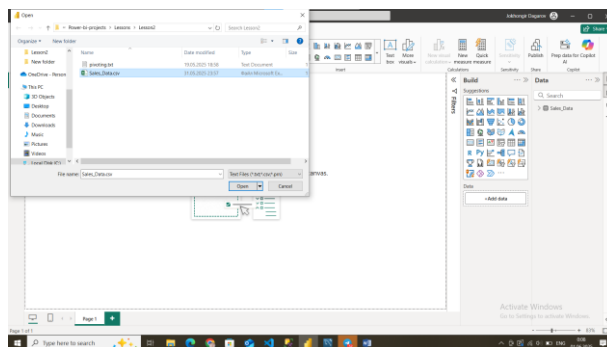
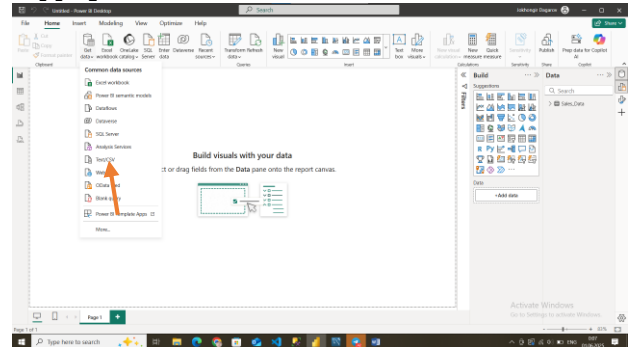
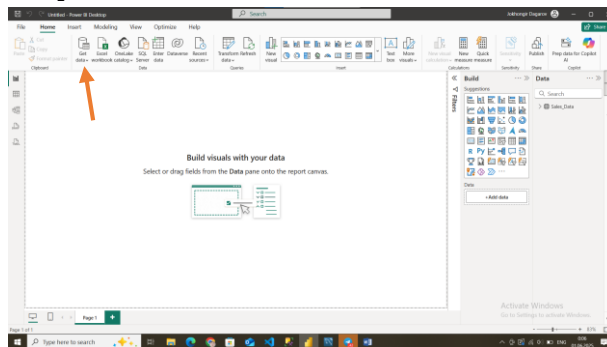
5. What does the "Navigator" window show after selecting a data source?

A list of **tables/sheets/files** available for import preview and selection.

6. Import Sales_Data.csv and load only the "Product" and "Price" columns

Progress Visualization:

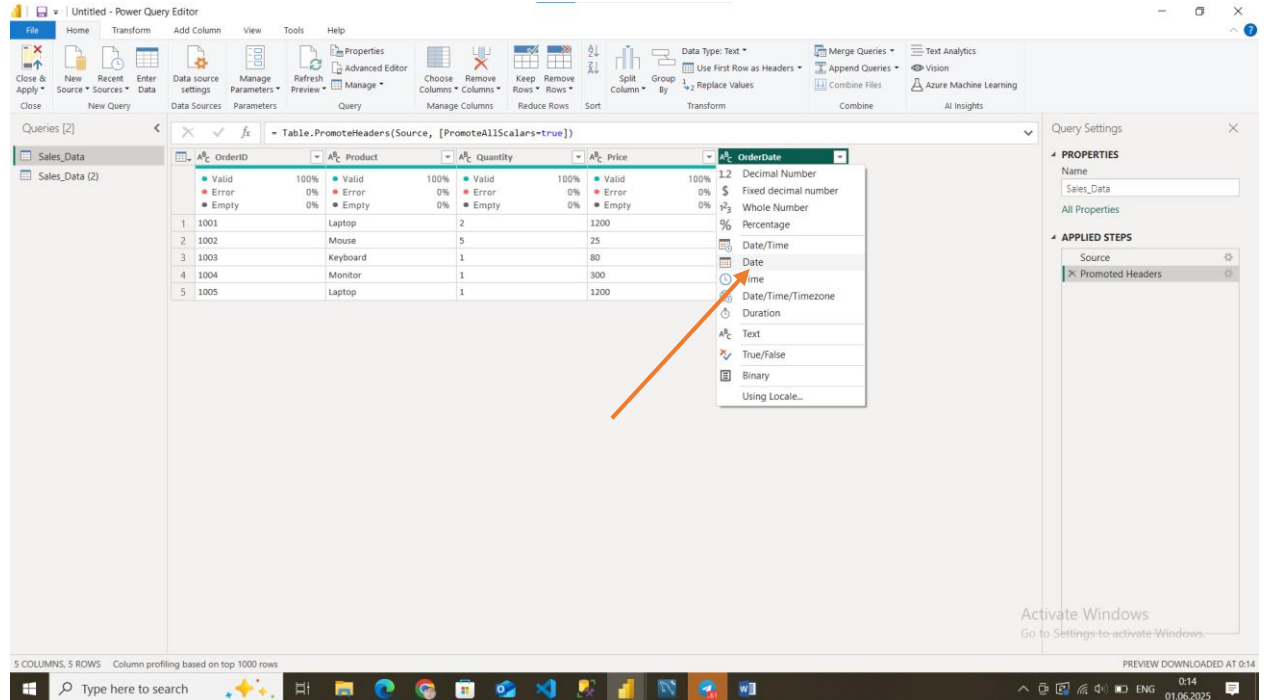
Get Data → Choose CSV → Open Sales_Data.csv → Transform Data →
Keep Columns: Product, Price → Close & Apply



7. How would you change OrderDate to a date format during import?

Progress Visualization:

Transform Data → Select 'OrderDate' Column → Data Type → Date



8. What is the difference between "Load" and "Transform Data" in the import dialog?

- **Load:** Directly imports data into Power BI.
- **Transform Data:** Opens Power Query Editor to clean/shape data before loading.

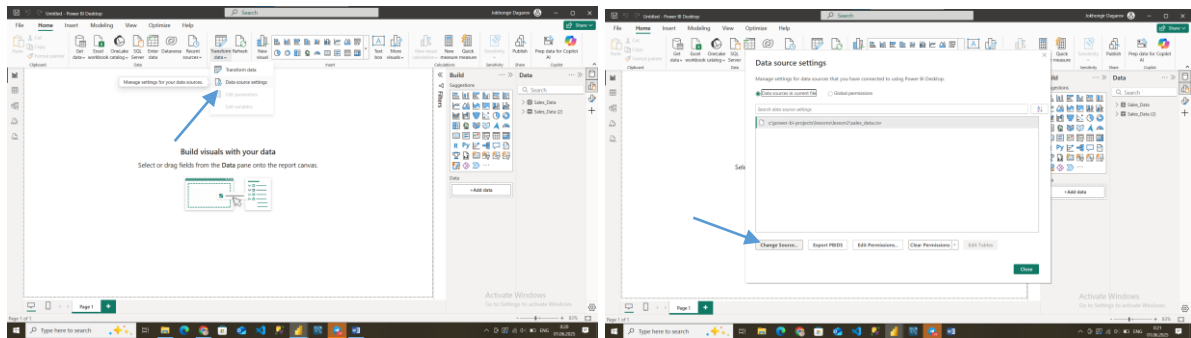
9. Why might you see an error when connecting to a SQL database? (Name one reason.)

Incorrect **server name** or missing **credentials**.

10. How do you replace a data source after importing it?

Progress Visualization:

Home → Data Source Settings → Change Source → Select New File/Server



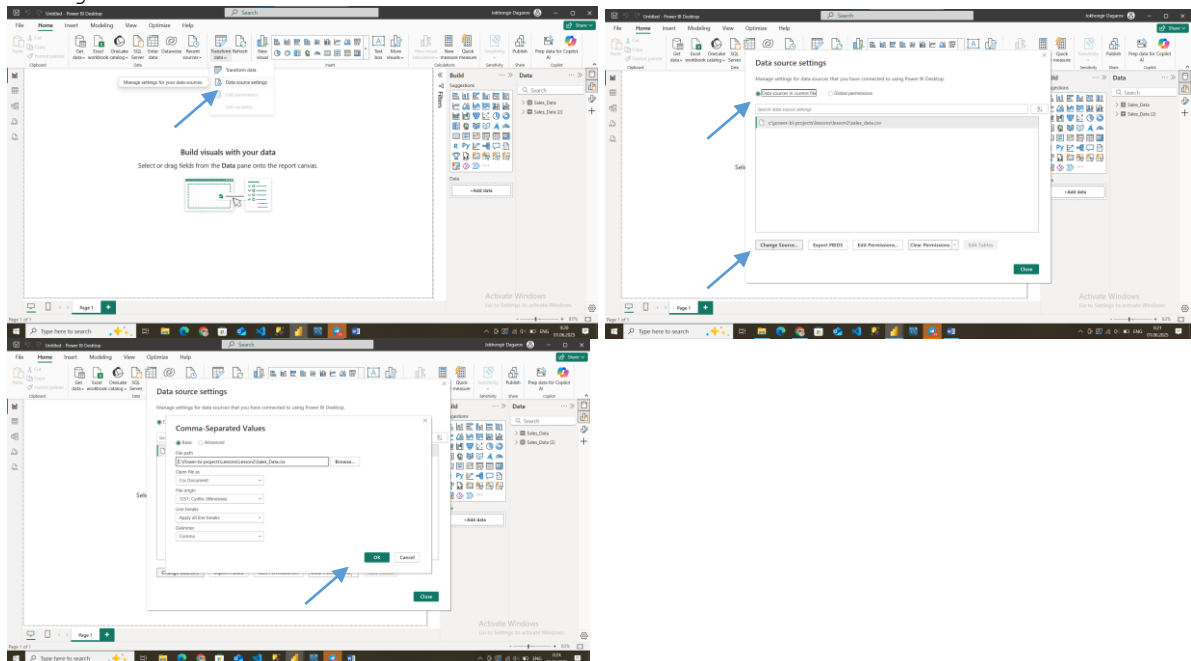
11. Write the M-code to import only rows where Quantity > 1

= Table.SelectRows(Source, each [Quantity] > 1)

12. How would you change the data source if Sales_Data.csv changed?

Progress Visualization:

Home → Data Source Settings → Change Source → Browse to New File → Apply Changes



13. Troubleshoot: CSV import fails due to a "mixed data type" error—how do you fix it?

Progress Visualization:

Transform Data → Select Problem Column → Data Type → Choose Consistent Type

14. Connect to a live SQL database with parameters (e.g., filter by year)

Progress Visualization:

Get Data → SQL Server → Enter Server & Database → Advanced Options →
Custom SQL Query with WHERE Year = 2024 → OK

15. How would you automate data imports using Power BI and Power Automate?

Progress Visualization:

Create Power Automate Flow → Trigger (Scheduled/Manual) →
Action: Refresh Power BI Dataset → Set Dataset & Workspace → Save & Test