

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?
Click "Get Data" on the Home ribbon and choose the desired data source.
3. How do you refresh imported data in Power BI?
Click the "Refresh" button on the Home tab to update the data from the source.
4. What file formats can Power BI import directly? (Name two.)
 - CSV
 - Excel (.xlsx)
5. What does the "Navigator" window show after selecting a data source?
It shows a preview of the available tables or sheets and lets you select which to load.
6. Import Sales_Data.csv and load only the "Product" and "Price" columns.
In Power Query, select only the "Product" and "Price" columns before clicking "Close & Load".
7. How would you change OrderDate to a date format during import?
In Power Query, select the "OrderDate" column, then use the "Data Type" dropdown to set it to Date.
8. What is the difference between "Load" and "Transform Data" in the import dialog?
 - "Load" imports the data directly into Power BI.
 - "Transform Data" opens Power Query for cleaning or modifying data before loading.
9. Why might you see an error when connecting to a SQL database? (Name one reason.)
Invalid credentials or lack of access permissions.
10. How do you replace a data source after importing it?
Go to "Data source settings", select the source, and click "Change Source".
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?
Click "Transform Data" > "Data Source Settings" > "Change Source" and update the file path.

13. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it?
Manually set the column data type in Power Query to the correct type (e.g., Text or Number).
14. Connect to a live SQL database with parameters (e.g., filter by year).
Use a parameter in Power Query and pass it into the SQL query to filter data by year.
15. How would you automate data imports using Power BI and Power Automate?
Use Power Automate to schedule refreshes and trigger workflows based on Power BI events.