

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

Excel Workbook, SQL server database, Text/CSV

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

Open Power BI Desktop → click Get Data → choose source

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

Click Refresh in Home menu

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

Excel(.xl, .xlsx), Text/CSV, Json, XML

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

Sheets name if it is Excel, selected table on the right side, on the right-bottom, load, transform data and cancel buttons

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

Product	Price
Laptop	1200
Mouse	25
Keyboard	80
Monitor	300
Laptop	1200

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

Two ways:

1. click transform data → click right side of mouse → choose change type
2. click transform data → move to Transform part → click Data Type in any column section

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

They are notable different things. Load loads data into Power Bi directly without any changes, but you can Transform data(remove duplicates or unnecessary columns, change data types, and etc.) and then load into Power Bi

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

Wrong server name or credentials

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

Transform data → data source settings in Home section → change source →fill fields→click ok button

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

`Table.SelectRows("#Changed Type", each [Quantity] > 1)`

Source is "#Changed Type" in my situation

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

Just edit the Source step in Power Query and point it to the new CSV file location or name.

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

In Power Query, replace or remove any non-numeric values in the column, then set the correct data type.

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

let

YearParam = 2024,

Source = Sql.Database("ServerName", "DatabaseName",
[Query="SELECT * FROM Sales WHERE YEAR(OrderDate) = " &
Number.ToText(YearParam)])

in

Source

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

Publish your Power BI report to the Service.

In Power Automate, create a **flow** that uses the **Refresh a dataset** action for your workspace/report.

Set it to run on a schedule (e.g., daily) or trigger it when new data is added to a folder, SharePoint, or database.