1. List three data sources Power BI can connect to.
- SQL Server Database
- Excel
- Web (API/URL)

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

👉 Click **Home → Get Data → Choose data source**

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

👉 Click **Home → Refresh** or schedule refresh in the Power BI Service.

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 displays available **tables/sheets/objects** and a **preview of data**.

Practical Import Tasks

6. Import Sales_Data.csv and load only the "Product" and "Price" columns.
- Get Data → CSV → Select **Sales_Data.csv**
- In Power Query, remove other columns → Keep only **Product** and **Price** → Load.

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

👉 In Power Query: select **OrderDate column → Data Type → Date**.

8. What is the difference between "Load" and "Transform Data" in the import dialog?
- **Load** → Loads data directly into the model.
- **Transform Data** → Opens Power Query to clean/modify before loading.

9. Why might you see an error when connecting to a SQL database? (Name one reason.)
- Invalid credentials (username/password).
- Network/firewall restrictions.
- Incorrect server/database name.

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

👉 Go to **Home → Transform Data → Data source settings → Change Source**.

Advanced

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?

👉 Go to **Home → Transform Data → Data source settings → Change Source**, update file path.

13. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it?
- In Power Query, set the column **Data Type explicitly** (e.g., Text or Number).
- Use **Replace Errors** or **Detect Data Type**.

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

- Create a **Parameter (Year)** in Power Query.
- Use it in your SQL query:
  SELECT * FROM Sales WHERE YEAR(OrderDate) = @Year
- Bind @Year to the Power BI parameter.

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

👉 Use **Power Automate flows** to trigger dataset refresh in Power BI Service (e.g., after file upload to OneDrive/SharePoint).