

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

The three data source that PowerBI can connect to are Excel,SQL Server and Web.

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

from the Home ribbon we should click to “Get Data” then select the data source type that we need.

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

Click the "Refresh" button on the Home ribbon to update the report with the latest data from the source.

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

Csv and Excel (XLSX)

5. What does the "Navigator" window show after selecting a data source? The Navigator window displays a preview of available tables or sheets and allows you to select which ones to import.

6. Import Sales\_Data.csv and load only the "Product" and "Price" columns.

Home > Get Data > Text/CSV, select Sales\_Data.csv

In Navigator, click "Transform Data"

In Power Query Editor, select only "Product" and "Price" columns

Click "Close & Apply"

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

In Power Query Editor, right-click the OrderDate column → Select "Change Type" → "Date"

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

Load: Immediately imports the selected data into Power BI as-is.

Transform Data: Opens Power Query Editor, allowing us to clean or modify data before loading.

9. Why might you see an error when connecting to a SQL database? (Name one reason.) One common reason is invalid credentials or lack of network access to the SQL server.

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

Go to "Home" > "Transform Data" > "Data source settings", then select the source and click "Change Source..." browse the 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?

Go to "Transform Data" > "Data source settings", select Sales\_Data.csv, then click "Change Source..." to point to the new file.

13. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it? In Power Query Editor, manually set the column data types using the "Change Type" option to avoid automatic type conflicts.

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

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

- Use **Power Automate** to create a **flow** that triggers on a schedule or event
- Add a **Power BI action** to refresh the dataset
- Optionally, send notifications when the refresh is complete