1. List three data sources Power BI can connect to.
- **Excel files**
- **SQL databases**
- **CSV files**

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2. What is the first step to import data into Power BI Desktop?
Open Power BI Desktop and click "Get Data" on the Home ribbon.

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3. How do you refresh imported data in Power BI?
Click "Refresh" on the Home ribbon or right-click the dataset in the Fields pane and select "Refresh."

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4. What file formats can Power BI import directly? (Name two.)
- **CSV**
- **Excel (.xlsx, .xlsm)**

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

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6. Import Sales_Data.csv and load only the "Product" and "Price" columns.
- **After connecting to the CSV, in the Navigator window, select the table.**
- **Click "Transform Data" to open Power Query.**
- **Remove or deselect all columns except "Product" and "Price."**
- **Click "Close & Apply" to load only those columns.**

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7. How would you change OrderDate to a date format during import?
- **In Power Query Editor, select the "OrderDate" column.**
- **Go to "Transform" tab, select "Data Type," and choose "Date."**

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8. What is the difference between "Load" and "Transform Data" in the import dialog?
- **"Load"** imports the data as-is into Power BI.
- **"Transform Data"** opens Power Query Editor, allowing you to clean and transform data before importing.

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9. Why might you see an error when connecting to a SQL database? (Name one reason.)
Incorrect login credentials or insufficient permissions.

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10. How do you replace a data source after importing it?
- **Go to "Transform Data" to open Power Query.**
- **Right-click the query, select "Data source settings," and update the data source path or connection details.**

11. Write the M-code to import only rows where Quantity > 1.
text
= Table.SelectRows(#"PreviousStep", each [Quantity] > 1)
Replace #"PreviousStep" with your actual previous step name.

12. How would you change the data source if Sales_Data.csv changed?
- **In Power Query, right-click the query, select "Data source settings," and update the file path to the new CSV.**

13. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it?
- **In Power Query Editor, select the problematic column.**
- **Change the data type to the correct one (e.g., "Text" if mixed numbers and text are present).**

14. Connect to a live SQL database with parameters (e.g., filter by year).
- **Click "Get Data" > "SQL Server."**
- **Enter connection details.**
- **In the "Advanced options," write a SQL query with a WHERE clause (e.g., WHERE YEAR(OrderDate) = 2023).**

15. How would you automate data imports using Power BI and Power Automate?
- **Use Power Automate to trigger a data refresh in Power BI Service when new data is available (e.g., in SharePoint or SQL).**
- **Set up a flow that calls the Power BI dataset refresh API.**