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

- Excel workbooks
- SQL Server databases
- Web APIs

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2. What is the first step to import data into Power BI Desktop?
Click **Get Data** on the Home ribbon, then choose your data source.

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3. How do you refresh imported data in Power BI?
Click **Refresh** in Power BI Desktop or schedule a refresh in Power BI Service.

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

- CSV (`.csv`)
- Excel (`.xlsx`)

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5. What does the "Navigator" window show after selecting a data source?
A preview of available tables, queries, or sheets that you can load.

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6. Import Sales_Data.csv and load only the "Product" and "Price" columns.
In Navigator, select `Sales_Data.csv` → Click **Transform Data** → In Power Query, select only **Product** and **Price** columns → Click **Close & Load**.

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7. How would you change OrderDate to a date format during import?
In Power Query, select the **OrderDate** column → Use the Data Type dropdown → Choose **Date**.

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

- **Load**: Imports data directly into Power BI without changes.
- **Transform Data**: Opens Power Query to clean, filter, and reshape data before loading.

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9. Why might you see an error when connecting to a SQL database? (Name one reason.)
Incorrect server name or credentials, or network/firewall restrictions.

10. How do you replace a data source after importing it?
Go to **Home → Transform Data → Data Source Settings → Change Source**.

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

```m
CopyEdit
Table.SelectRows(Source, each [Quantity] > 1)
```

12. How would you change the data source if Sales_Data.csv changed?
Go to **Data Source Settings → Change Source → Browse** to the new file location.

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13. Troubleshoot: Your CSV import fails due to a "mixed data type" error—how do you fix it?
In Power Query, explicitly set the column's data type or split the column into separate columns for each type.

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14. Connect to a live SQL database with parameters (e.g., filter by year).
Create a **parameter** for Year in Power Query → Use it in the SQL query to filter results.

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15. How would you automate data imports using Power BI and Power Automate?
Set up a Power Automate flow to retrieve/update data files and trigger a **dataset refresh** in Power BI Service using the Power BI connector.