

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

Power BI can connect to a lot of different sources, for example Excel files, SQL databases, and cloud services like Azure or Salesforce.

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

The first step is to click on “Get Data” and then choose the data source you want, like Excel, CSV, or SQL database.

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

You can refresh data by clicking the “Refresh” button in Power BI Desktop. In Power BI Service, you can also set up scheduled refreshes so the data updates automatically.

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

Power BI can directly import formats like Excel (.xlsx) and CSV (.csv). It also works with others like XML or JSON.

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

The Navigator shows you a preview of the tables, sheets, or queries in the data source. From there, you can choose what exactly you want to load into Power BI.

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

“Load” brings the data into Power BI as it is, without changes. “Transform Data” opens the Power Query editor, where you can clean, filter, and reshape the data before loading it.

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

One common reason is that you don’t have the right permissions or login credentials to access the database.

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

You can go to “Home → Transform Data → Data Source Settings” and change or edit the connection details to point to the new source.

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

In Power Query (M code), you’d use a filter step like:

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

**10. How would you change the data source if Sales\_Data.csv changed?**

If the file location or name changes, you can update the file path in “Data Source Settings” in Power Query. That way, the query will point to the new Sales\_Data.csv file.

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

You’d go into Power Query and either change the column type manually (for example, set it to text or number) or split the column if it’s combining different kinds of values.

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

You can set up a Power Automate flow that takes new or updated files, for example from OneDrive or SharePoint, and automatically triggers a refresh in Power BI so your reports always have the latest data.

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

In Power Query during import → select the OrderDate column → click the data type icon (or go to Transform → Data Type) → choose Date → Close & Apply.