

Lesson 2 – Importing Data into Power BI

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

Excel, SQL Server, Web API

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

EN: Go to **Home** → **Get Data**.

UZ: **Home** → **Get Data** tugmasiga bosish orqali boshlanadi.

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

EN: Click **Refresh** in Power BI Desktop or schedule refresh in Power BI Service.

UZ: Power BI Desktop'da **Refresh** tugmasini bosish yoki Power BI Service'da avtomatik yangilanishni sozlash.

4. What file formats can Power BI import directly?

EN: CSV, Excel (xlsx)

UZ: CSV va Excel (xlsx) fayllarini bevosita import qilishi mumkin.

5. What does the “Navigator” window show after selecting a data source?

EN: A preview of tables/files and lets you select which ones to load.

UZ: Jadval yoki faylning oldindan ko'rinishi va yuklanadigan jadvallarni tanlash imkonini beradi.

6. Import Sales_Data.csv and load only the “Product” and “Price” columns.

EN:

Get Data → CSV → Transform Data → Select Product & Price → Remove Other Columns → Close & Apply

UZ:

Get Data → CSV → Transform Data → Product va Price ustunlarini tanlash → Boshqa ustunlarni o‘chirish → Close & Apply.

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

EN: In Power Query → Select OrderDate → Change Type → Date

UZ: Power Query’da OrderDate ustunini tanlab → Change Type → Date formatiga o‘tkaziladi.

8. Difference between “Load” and “Transform Data”?

- **Load:** Imports data directly
 - **Transform Data:** Allows cleaning/editing data first
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9. Why might you see an error connecting to SQL database?

EN: Wrong server name / no permission / network blocked

UZ: Server nomi noto‘g‘ri, ruxsat yo‘q yoki tarmoq bloklangan bo‘lishi mumkin.

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

EN: Home → Transform Data → Data Source Settings → Change Source

11. M-code to import rows where Quantity>1:

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

12. How to change the data source if Sales_Data.csv changed?

EN: Go to Data Source Settings → Change Source → select new CSV

UZ: Data Source Settings orqali Change Source tugmasini bosib yangi CSV-ni tanlash.

13. CSV import fails due to “mixed data type” error — fix?

EN: Change column type to Text in Power Query.

UZ: Power Query’da ustun turini **Text** qilib o‘zgartirish.

14. Connect to SQL database with parameters (filter by year).

EN:

Create Parameter → Use in SQL Query →

```
SELECT * FROM Sales WHERE YEAR(OrderDate)=@Year
```

15. Automate data imports using Power BI + Power Automate.

EN: Create a flow that refreshes the Power BI dataset when a file or database updates.

UZ: Fayl yangilanganda Power BI datasetini avtomatik yangilaydigan Power Automate oqimini yaratish.