**ASSIGNMENT-4**

**1. Load the Data**

* Open **Power BI Desktop**.
* Go to **Home > Get Data > Excel/CSV** → Import **LTD Sales** dataset.
* Click **Transform Data** to open **Power Query Editor**.

**2. Create Sales Range Column**

We need to categorize Revenue into ranges.

1. In **Power Query Editor**, go to **Add Column > Conditional Column**.
2. Name the new column: **Sales Range**.
3. Add conditions:
   * If **Revenue** ≤ 100 → Less 100
   * Else if **Revenue** between 1001 and 5000 → 1001 to 5000
   * Else if **Revenue** between 6000 and 10000 → 6000 to 10000
   * Else if **Revenue** between 11000 and 15000 → 11000 to 15000
   * Else if **Revenue** between 16000 and 20000 → 16000 to 20000
   * Else if **Revenue** between 21000 and 25000 → 21000 to 25000
   * Else → Above 25000

⚡ Note: You’ll need to build multiple "Else if" conditions inside the Conditional Column dialog.

**3. Create Product Category Column**

Now we’ll map Furniture → *Office Infra* and all others → *Non-Office Infra*.

1. Again, go to **Add Column > Conditional Column**.
2. Name it: **Product Infra**.
3. Condition:
   * If **Product Category = Furniture** → Office Infra
   * Else → Non-Office Infra

**4. Apply & Load**

* Once both columns are created, click **Close & Apply**.
* Data loads back into Power BI with your transformations.

**5. Build Report (Optional for Dashboard)**

* Insert a **Table visual**.
* Drag in **State**, **Revenue**, **Sales Range**, **Product Infra**.
* This will now display Revenue by State, categorized into Sales Ranges and Product Infra groupings.