📊 Pivot Tables in Excel

Pivot Tables allow you to **summarize, analyze, and explore data quickly**. They help turn large data sets into meaningful insights.

✅ Steps to Create a Pivot Table

1. **Create Table Format**
   - Select your raw data.
   - Go to Insert → Table
   - Tick "My table has headers" (If your data has column names)
   - Click OK.
2. **Insert Pivot Table**
   - Click anywhere inside the table
   - Go to Insert → Pivot Table.
   - Choose: New Worksheet Or Existing Worksheet.
   - Click OK.
3. **Build the Pivot Table**
   - **In the Pivot Table Fields pane:**
     - **Rows:** Drag the field you want as row labels
     - **Columns:** Drag the field you want to across the top
     - **Values:** Drag the field you want to calculate
     - **Filters:** Drag a field to filter the entire Pivot Table

Now you'll see a blank Pivot table on the left and on the right a pivot table field's panel.

Let's see an Example.

	A	B	C	D	E
1	**Car Brand**	**Car Name**	**Car Type**	**Price**	**Car Avg (km/l)**
2	Kia	Seltos	SUV	24000	16
3	Kia	EV6	Electric	50000	20
4	Tata	Nexon	SUV	18000	17
5	Tata	Tiago EV	Electric	14000	22
6	BMW	X5	SUV	65000	12
7	BMW	3 Series	Sedan	45000	15

Example 1: Show total price by brand

- Drag Car Band → Rows
- Drag Price → Values
- It will show the Sum of Price for each brand.

	A	B
1		
2		
3	Row Labels ▼	Sum of Price
4	BMW	110000
5	Kia	74000
6	Tata	32000
7	Grand Total	216000
8		

Example 2: Compare Car Type by Brand

- Drag Car Brand → Rows
- Drag Car Type → Columns
- Drag Price → Values
- Now you'll see how much each brand spends on SUVs, Sedans, or Electrics.

	A	B	C	D	E
1					
2					
3	Sum of Price	Column Labels ▼			
4	Row Labels ▼	Electric	Sedan	SUV	Grand Total
5	BMW		45000	65000	110000
6	Kia	50000		24000	74000
7	Tata	14000		18000	32000
8	Grand Total	64000	45000	107000	216000

Example 3: Find Average fuel efficiency

- Drag Car Brand → Rows
- Drag Car Avg (km/l) → Values
- In Values, Click the small arrow → Value Field Settings → Select Average
- Now you'll see each brand's average mileage

	A	B
1		
2		
3	**Row Labels** ▾	**Average of Car Avg (km/l)**
4	BMW	13.5
5	Kia	18
6	Tata	19.5
7	**Grand Total**	**17**

4. **Explore and Analyze**
   - Add Filters.
   - Right-click numbers to show Sum, Average, Count, Max, Min.
   - You can also add Pivot Charts: Insert → PivotChart