□ Scenario - Sales Data Visualization

Step 1: Prepare the Dataset

```
import pandas as pd

# Create sales dataset
data = {
     "Month": ["Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct",
     "Nov", "Dec"],
     "Revenue": [12000, 15000, 17000, 14000, 18000, 22000, 24000, 20000, 23000, 25000,
27000, 30000],
     "Profit": [3000, 3500, 4000, 3200, 4500, 6000, 6500, 5800, 6200, 7000, 7500,
8000],
     "Region": ["North", "South", "East", "West", "North", "South", "East", "West",
"North", "South", "East", "West"]
}

df = pd.DataFrame(data)
print(df.head())
```

Step 2: Exercises (Visualization Tasks)

- 1. Line Chart
 - Plot Revenue over Months.
 - Add labels and title.
- 2. Bar Chart
 - Plot Profit for each Month.
 - Use different colors.
- 3. Grouped Bar Chart
 - Compare Revenue vs Profit per Month.
- 4. Pie Chart
 - Show total Revenue contribution by Region.
- 5. Scatter Plot
 - Plot Revenue vs Profit to check correlation.
- 6. **Histogram**
 - Show the distribution of Revenue values.
- 7. Box Plot
 - Visualize Profit across Regions.