

EXPERIMENT-10

10. **Scenario:** You are working on a data visualization project and need to create basic plots using Matplotlib. You have a dataset containing the monthly sales data for a company, including the month and corresponding sales values. Your task is to develop a Python program that generates line plots and bar plots to visualize the sales data.

Question:

1. How would you develop a Python program to create a line plot of the monthly sales data?
2. How would you develop a Python program to create a bar plot of the monthly sales data?

Code:

```
import matplotlib.pyplot as plt
months = ["Jan", "Feb", "Mar", "Apr", "May"]
sales = [100, 150, 120, 180, 200]
plt.figure(figsize=(10, 5))
plt.subplot(1, 2, 1)
plt.plot(months, sales)
plt.title("Monthly Sales - Line Plot")
plt.xlabel("Months")
plt.ylabel("Sales")
plt.subplot(1, 2, 2)
plt.bar(months, sales)
plt.title("Monthly Sales - Bar Plot")
plt.xlabel("Months")
plt.ylabel("Sales")
plt.tight_layout()
plt.show()
```

Output:

