TASK 3:

Create a bar chart and a line chart using Matplotlib to visualize data from a Pandas DataFrame . Customize the charts with labels, titles, and legends.

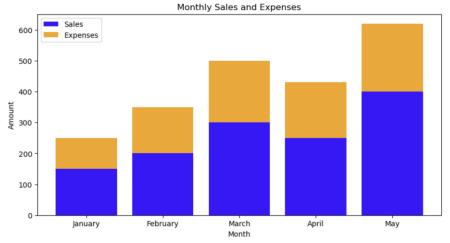
1. Import Libraries

2. Create a Sample DataFrame

```
In [2]: # Sample DataFrame
data = {
        'Month': ['January', 'February', 'March', 'April', 'May'],
        'Sales': [150, 200, 300, 250, 400],
        'Expenses': [100, 150, 200, 180, 220]
}
df = pd.DataFrame(data)
```

3. Create a Bar Chart

```
In [3]: N # Bar Chart
    plt.figure(figsize=(10, 5))
    plt.bar(df['Month'], df['Sales'], color='blue', label='Sales')
    plt.bar(df['Month'], df['Expenses'], color='orange', bottom=df['Sales'], label='Expenses')
    plt.xlabel('Month')
    plt.ylabel('Amount')
    plt.title('Monthly Sales and Expenses')
    plt.legend()
    plt.show()
```



4. Create a Line Chart

```
In [4]: | # Line Chart
    plt.figure(figsize=(10, 5))
    plt.plot(df['Month'], df['Sales'], marker='o', linestyle='-', color='blue', label='Sales')
    plt.plot(df['Month'], df['Expenses'], marker='s', linestyle='--', color='orange', label='Expenses')
    plt.xlabel('Month')
    plt.ylabel('Amount')
    plt.title('Monthly Sales and Expenses Trend')
    plt.legend()
    plt.grid(True)
    plt.show()
```

