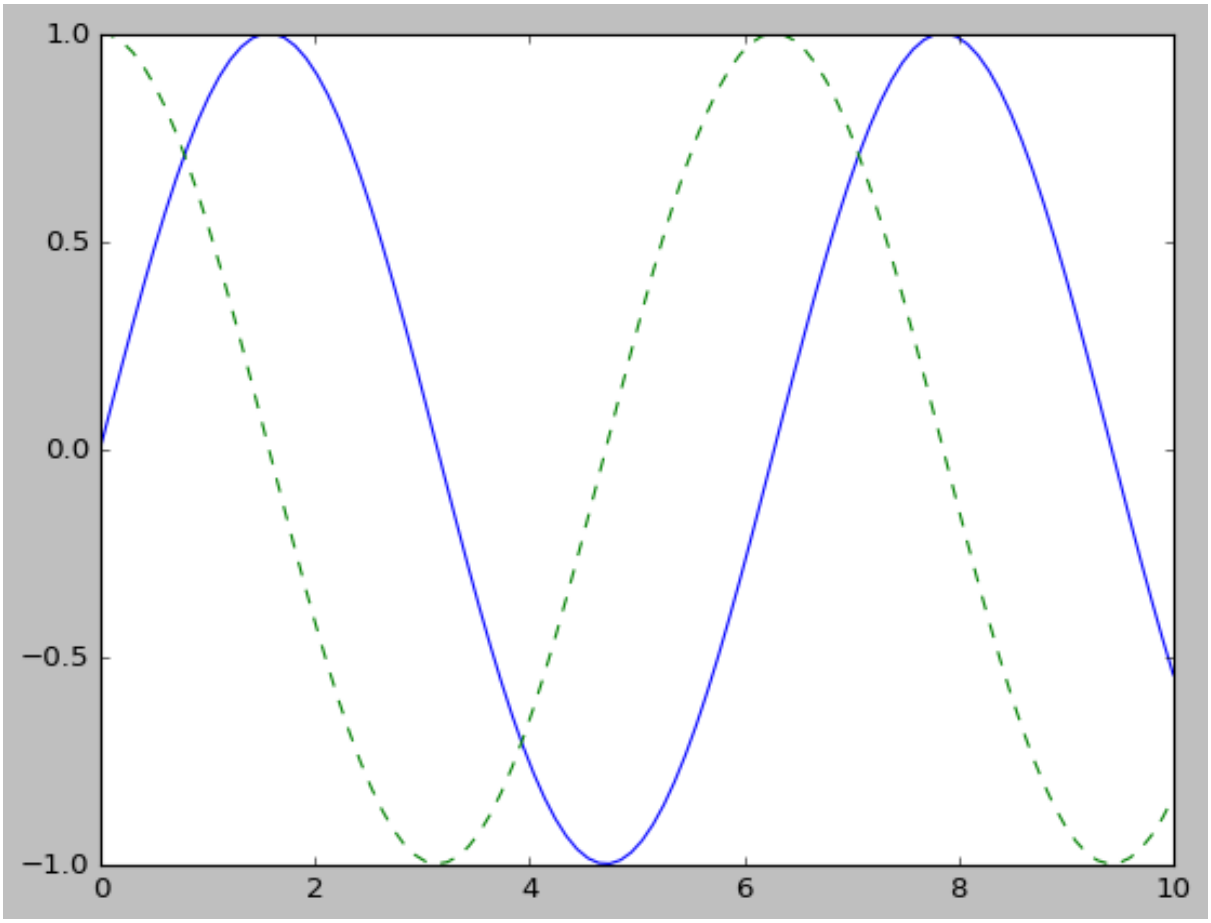
ASSIGNMENT 5

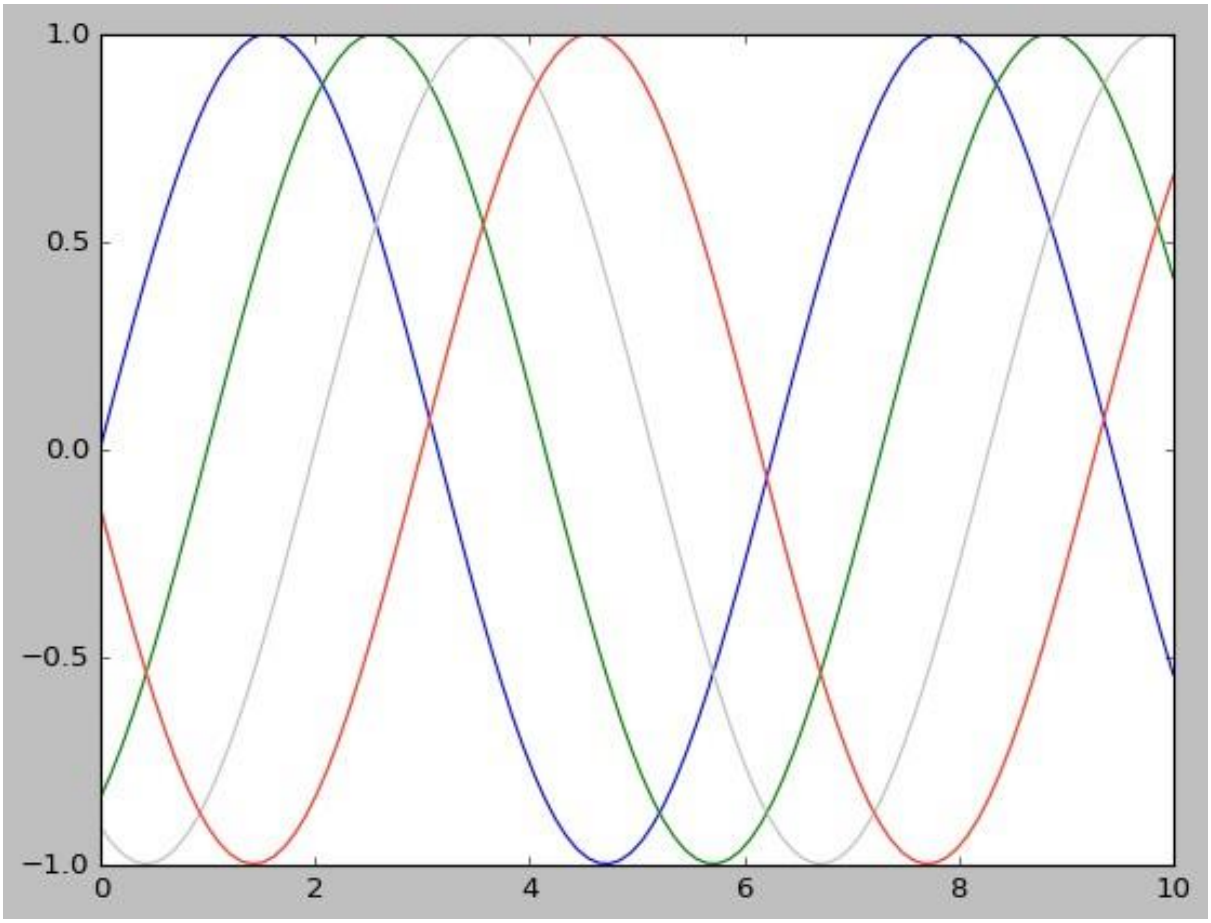
```
[2] %matplotlib inline

[3] plt.style.use('classic')

    x= np.linspace (0,10,100)
    fig=plt.figure()
    plt.plot(x, np.sin(x),'-')
    plt.plot(x,np.cos(x), '--')
    fig.savefig('graph1.png')
```




```
plt.plot(x, np.sin(x-0), color="blue")
plt.plot(x, np.sin(x-1), color='g')
plt.plot(x,np.sin(x-2), color='0.75')
plt.plot(x, np.sin(x-3), color="#FFDD44")
plt.plot(x,np.sin(x-3), color= (1.0,0.2,0.3))
```

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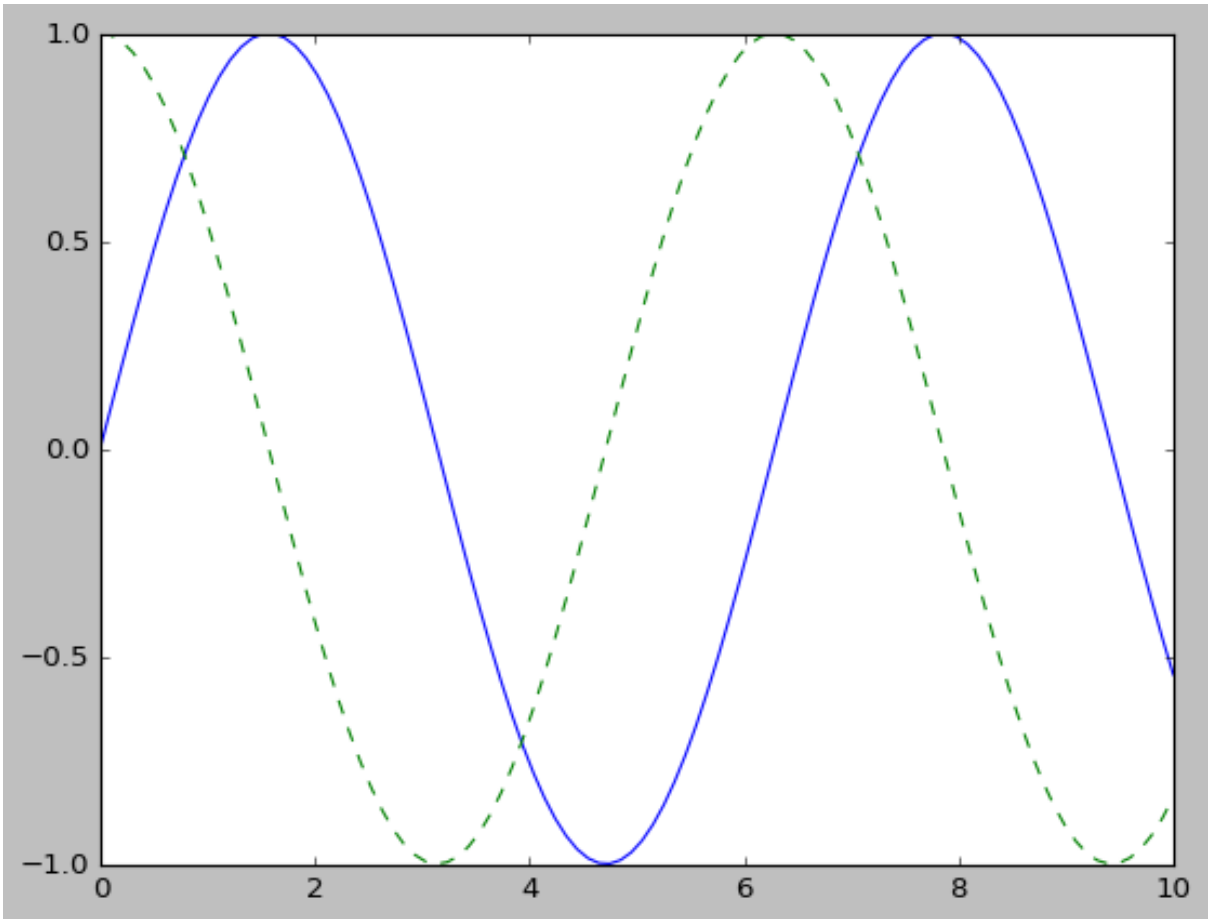


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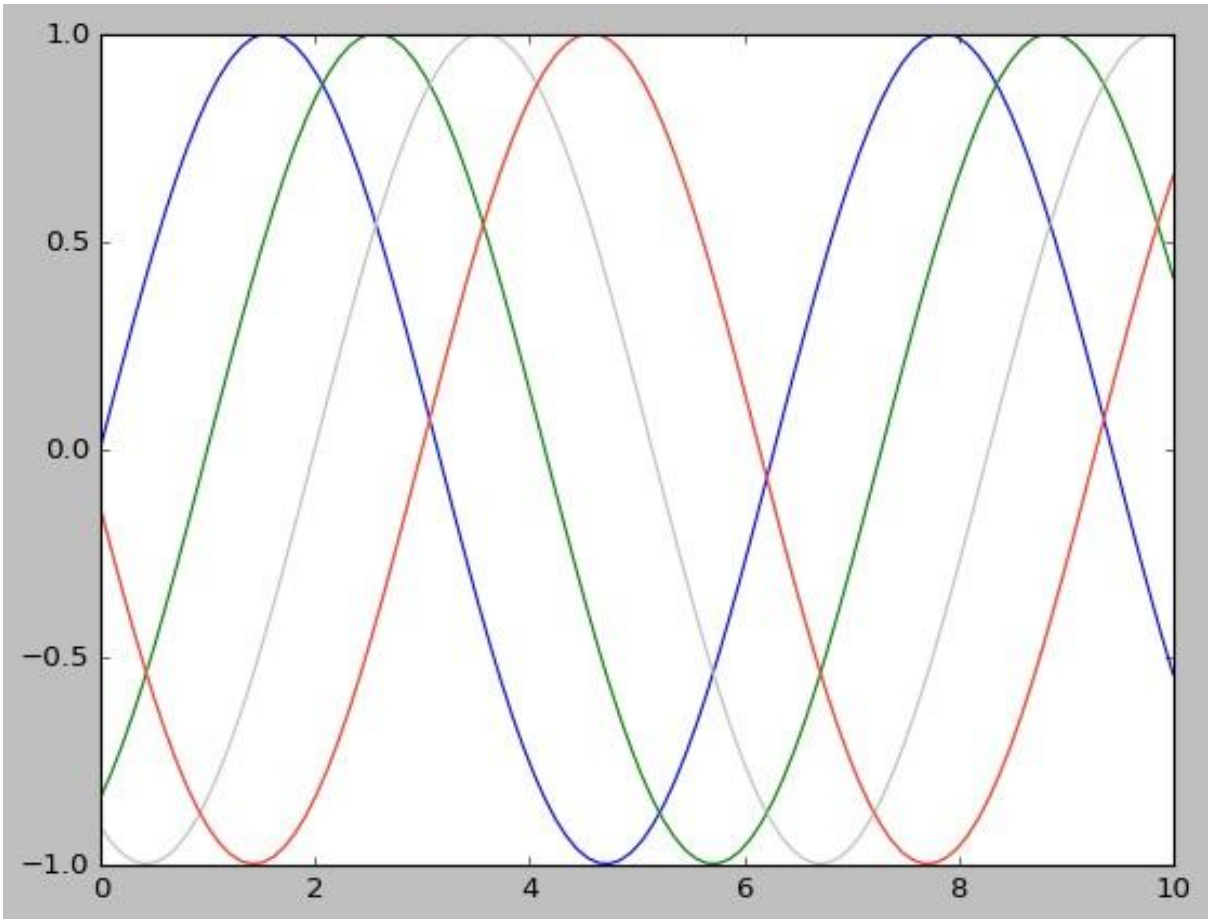
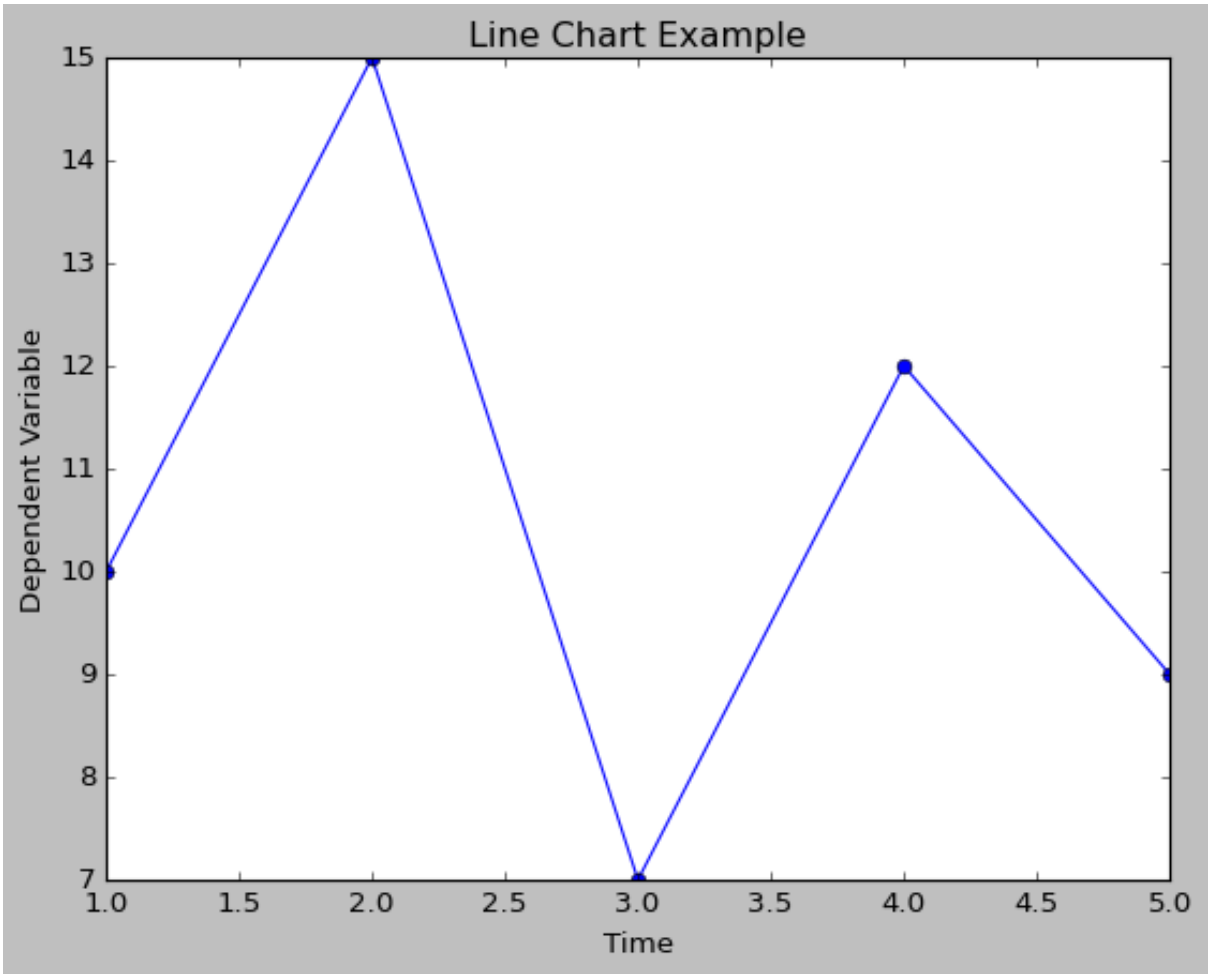



```
import matplotlib.pyplot as plt
x = [1, 2, 3, 4, 5]
y = [10, 15, 7, 12, 9]
plt.plot(x, y, marker='o')
plt.title("Line Chart Example")
plt.xlabel("Time")
plt.ylabel("Dependent Variable")
```



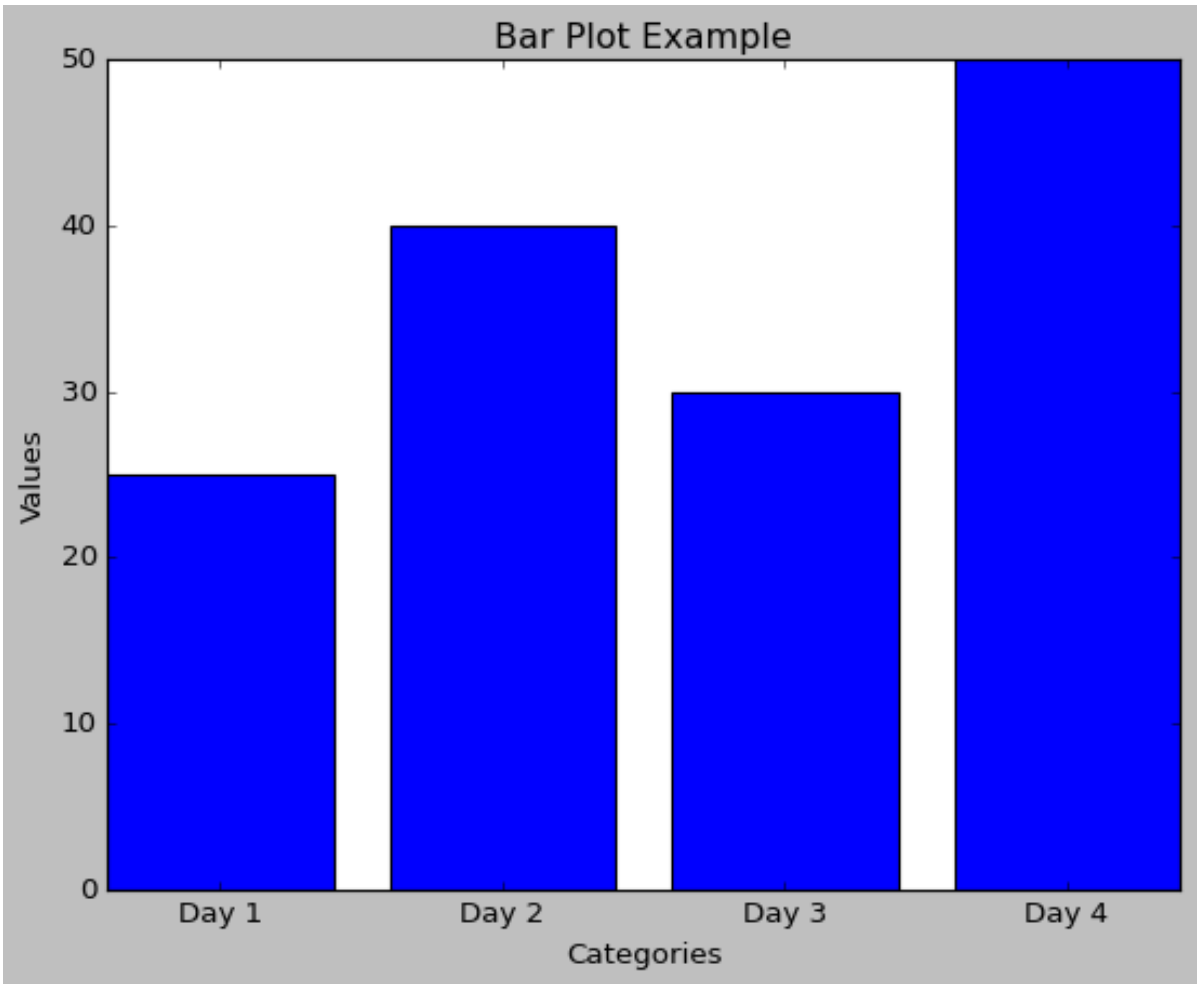

```python
import matplotlib.pyplot as plt

# Sample data
categories = ['Day 1', 'Day 2', 'Day 3', 'Day 4']
values = [25, 40, 30, 50]

# Create a bar plot
plt.bar(categories, values)

# Customize the plot
plt.title("Bar Plot Example")
plt.xlabel("Categories")
plt.ylabel("Values")

# Display the plot
plt.show()
```


Bar Plot Example
50
40
30
20
10
0
Values
Day 1
Day 2
Day 3
Day 4
Categories