## **Assignment 6**

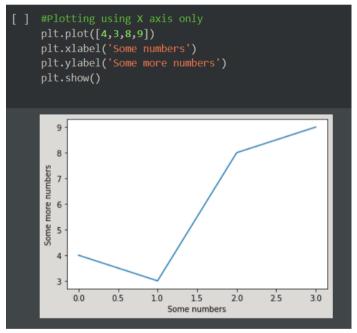
```
import numpy as np
import matplotlib.pyplot as plt

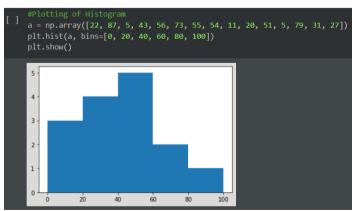
# Compute the x and y coordinates for points on a sine curve
x = np.arange(0, 3 * np.pi, 0.1)
y = np.sin(x)
plt.title("sine wave form")

# Plot the points using matplotlib
plt.plot(x, y)
plt.show()

Sine wave form

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```
[] #Plotting using BAR Graph
    x1 = [5, 8, 10]
    y1 = [12, 16, 6]
    x2 = [6, 9, 11]
    y2 = [6, 15, 7]
    plt.bar(x1, y1, color = 'b')
    plt.bar(x2, y2, color = 'g', align='center')
    plt.title('Bar Graph')
    plt.ylabel('Y Axis')
    plt.xlabel('X Axis')
    plt.show()
Bar Graph

16
14
12
10
10
14
12
10
10
X Axis
11
11
12
10
X Axis
```

