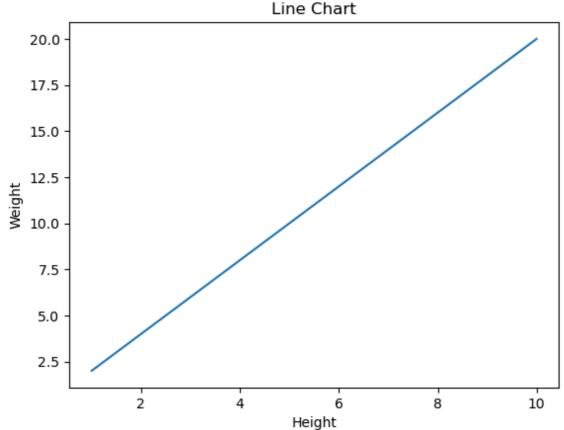
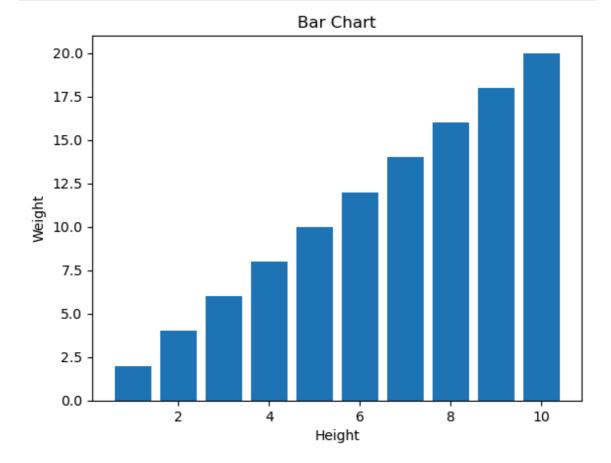
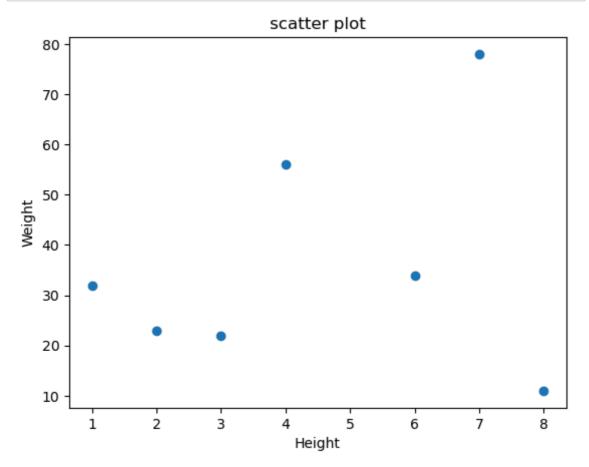
```
Name - Gayatri Bhakare
        Roll No - 10
        Class - 3rd year
        Section - CSE
In [1]: import numpy as np
        from matplotlib import pyplot as plt
In [2]: x = np.arange(1, 11)
In [3]: print(x)
        [1 2 3 4 5 6 7 8 9 10]
In [6]: y = x * 2
        print(y)
        [ 2 4 6 8 10 12 14 16 18 20]
In [7]: plt.plot(x,y)
        plt.title("Line Chart")
        plt.xlabel("Height")
        plt.ylabel("Weight")
        plt.show()
                                          Line Chart
```



```
In [8]: plt.bar(x,y)
    plt.title("Bar Chart")
    plt.xlabel("Height")
    plt.ylabel("Weight")
    plt.show()
```



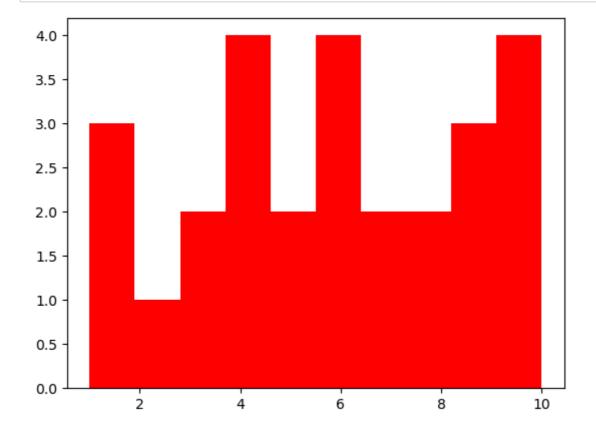
```
In [9]: a = (1 ,4,7,2,8,3,6)
b = (32,56,78,23,11,22,34)
plt.scatter(a,b)
plt.title("scatter plot")
plt.xlabel("Height")
plt.ylabel("Weight")
plt.show()
```



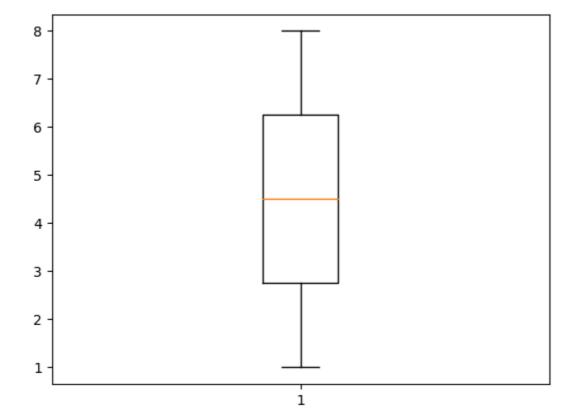
In [10]: H = [1,1,1,2,3,3,4,5,6,4,4,4,5,6,6,6,7,7,8,8,9,9,9,10,10,10,10]
print(H)

[1, 1, 1, 2, 3, 3, 4, 5, 6, 4, 4, 4, 5, 6, 6, 6, 7, 7, 8, 8, 9, 9, 9, 10, 10, 10, 10]

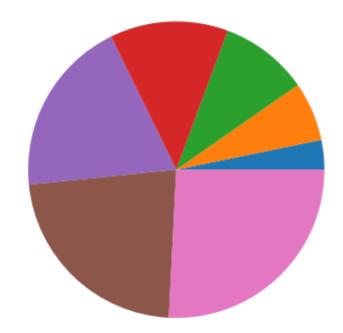
```
In [11]: plt.hist(H , color = 'r')
plt.show()
```



In [12]: B = [1,2,3,4,5,6,7,8]
 plt.boxplot(B)
 plt.show()



```
In [13]: a = [2,4,6,8,12,14,16]
    plt.pie(a)
    plt.show()
```



```
In [ ]:
```