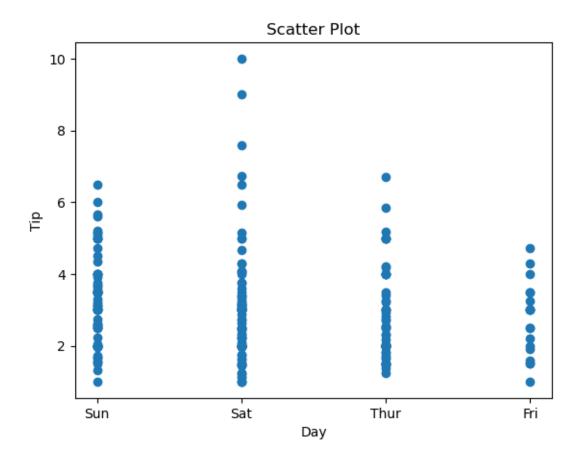
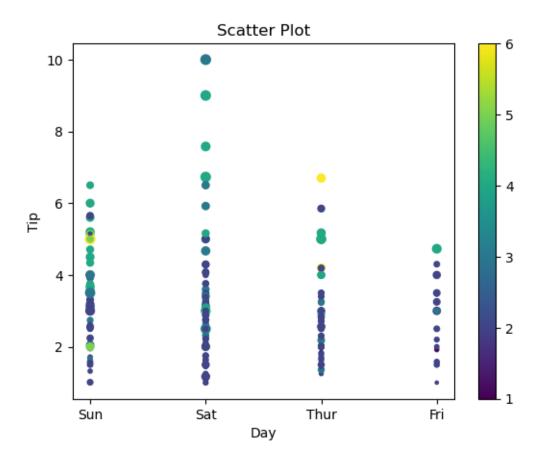
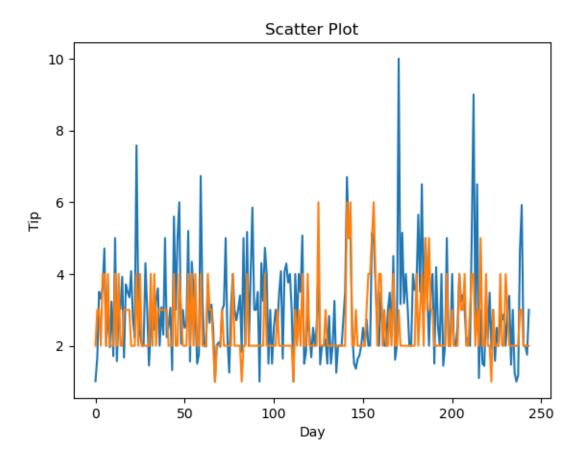
## Task-3 Data Analysis using Python

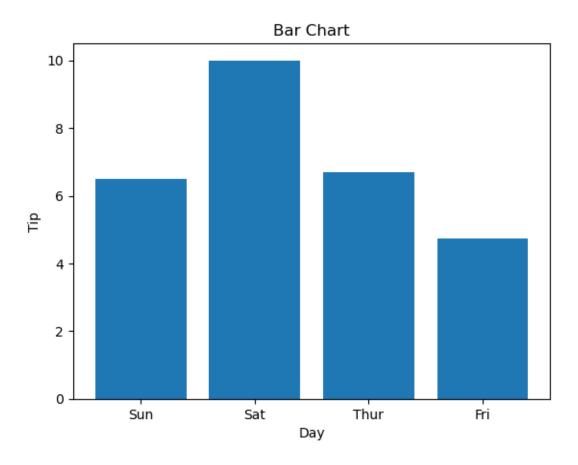
March 26, 2024

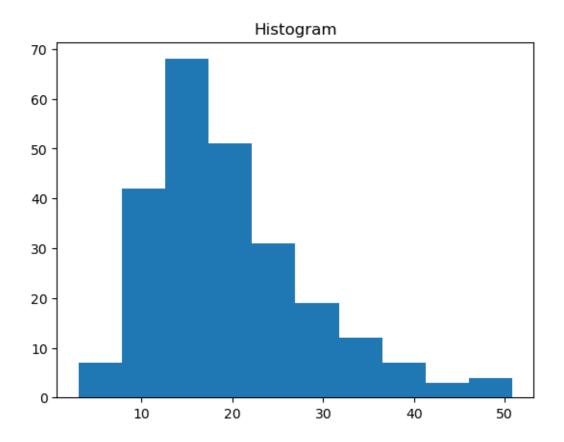
```
import pandas as pd
[6]: # Reading the database
     data = pd.read_csv("C:\\Program Files\\PostgreSQL\\16\\data\\data_copy\\tips.
      ⇔csv")
[7]: # Printing the top 10 rows
     display(data.head(10))
       total_bill
                    tip
                             sex smoker
                                         day
                                                time
                                                      size
    0
            16.99
                  1.01
                         Female
                                         Sun
                                              Dinner
                                                         2
                                     No
            10.34 1.66
                                                         3
    1
                           Male
                                              Dinner
                                     No
                                         Sun
    2
            21.01 3.50
                           Male
                                     No
                                         Sun
                                              Dinner
                                                         3
                                                         2
    3
            23.68 3.31
                           Male
                                         Sun Dinner
                                    No
    4
            24.59 3.61 Female
                                    No
                                         Sun Dinner
                                                         4
            25.29 4.71
    5
                           Male
                                         Sun Dinner
                                                         4
                                    No
    6
             8.77 2.00
                           Male
                                    No
                                        Sun Dinner
                                                         2
    7
            26.88 3.12
                                                         4
                           Male
                                    No
                                         Sun Dinner
                                                         2
    8
            15.04 1.96
                           Male
                                    No
                                         Sun Dinner
    9
            14.78 3.23
                           Male
                                         Sun Dinner
                                                         2
[8]: import pandas as pd
     import matplotlib.pyplot as plt
     # Reading the database
     data = pd.read_csv("C:\\Program Files\\PostgreSQL\\16\\data\\data_copy\\tips.
      ⇔csv")
     # Scatter Plot with day against tip
     plt.scatter(data['day'], data['tip'])
     # Adding Title to the plot
     plt.title("Scatter Plot")
     # Setting the X and Y labels
     plt.xlabel('Day')
     plt.ylabel('Tip')
[8]: Text(0, 0.5, 'Tip')
```











[]: