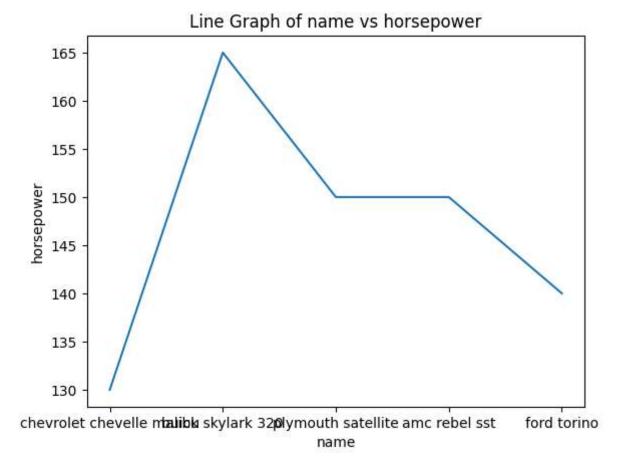
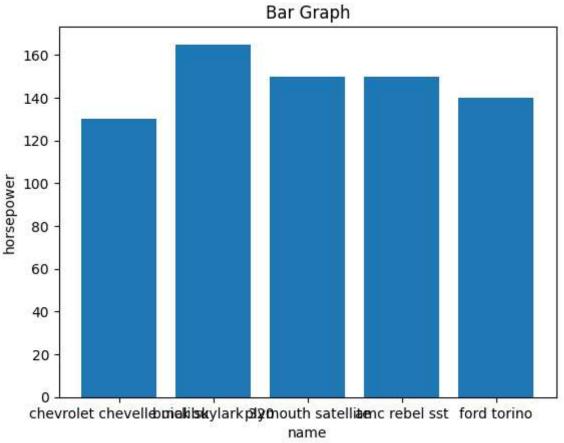
9/23/23, 10:36 AM 257\_graph

```
In [ ]: import pandas as pd
 import matplotlib.pyplot as plt
 # Read the data from the CSV file
 data = pd.read csv('Automobile.csv')
 # Create a dataframe from the data
 df = pd.DataFrame(data)
 df = df.head(5)
 print(df)
 # Create a line graph
 plt.plot(df['name'], df['horsepower'])
 plt.xlabel('name')
 plt.ylabel('horsepower')
 plt.title('Line Graph of name vs horsepower')
 plt.show()
 # Create a bar graph
 plt.bar(df['name'], df['horsepower'])
 plt.xlabel('name')
 plt.ylabel('horsepower')
 plt.title('Bar Graph')
 plt.show()
 # Create a scatter plot
 df=df.head(50)
 plt.scatter(df['name'], df['horsepower'])
 plt.xlabel('name')
 plt.ylabel('horsepower')
 plt.title('Scatter Plot')
 plt.show()
                        name
                               mpg cylinders displacement horsepower \
  chevrolet chevelle malibu 18.0
                                             8
                                                       307.0
                                                                   130.0
1
           buick skylark 320 15.0
                                             8
                                                       350.0
                                                                   165.0
2
                                             8
          plymouth satellite 18.0
                                                       318.0
                                                                   150.0
3
                                            8
               amc rebel sst 16.0
                                                       304.0
                                                                   150.0
4
                 ford torino 17.0
                                             8
                                                       302.0
                                                                   140.0
   weight acceleration model_year origin
0
     3504
                   12.0
                                 70
                                        usa
                                 70
1
     3693
                   11.5
                                        usa
2
     3436
                   11.0
                                 70
                                        usa
                                 70
3
     3433
                   12.0
                                        usa
     3449
                   10.5
                                 70
                                        usa
```

9/23/23, 10:36 AM 257\_graph





9/23/23, 10:36 AM 257\_graph

