Assignment 5

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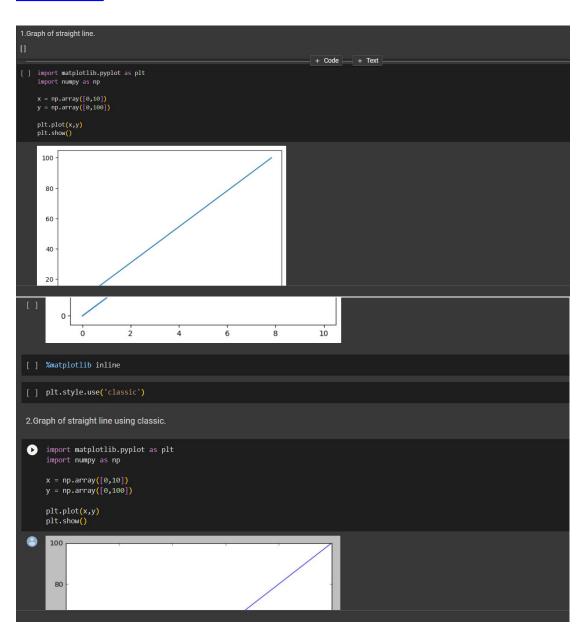
Div: C4

Roll no: 386

PRJN: 202201090173

Colablink:

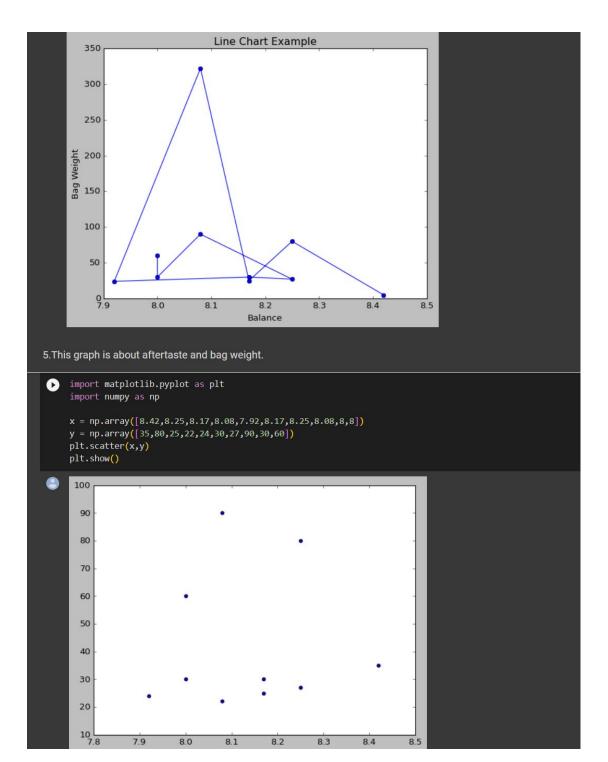
https://colab.research.google.com/drive/1oa5nvilC1n01yl3HhO0dwv-QFtxJaHRt#

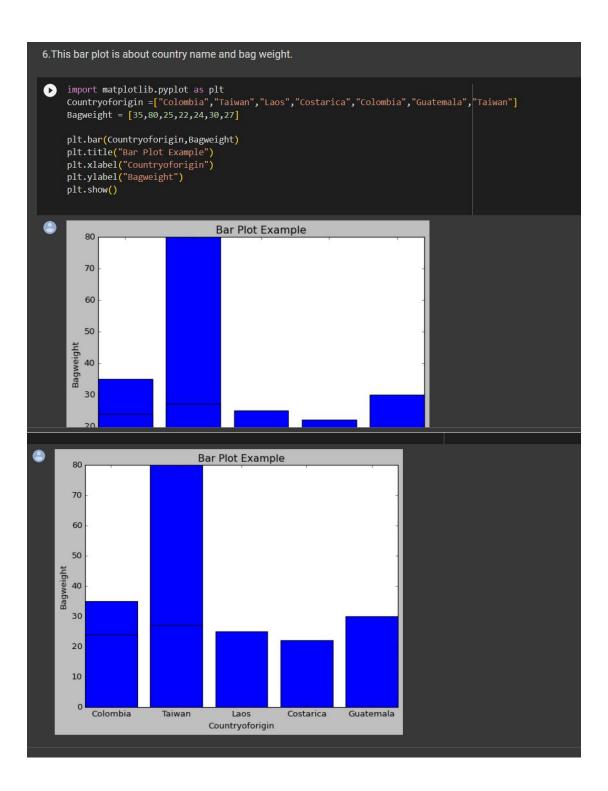


```
import matplotlib.pyplot as plt
import numpy as np
      y = np.array([35,80,25,22,24,30,27])
mylabels = ["Colombia","Taiwan","Laos","Costarica","Colombia","Guatemala","Taiwan"]
      plt.pie(y,labels = mylabels)
plt.show()
                          Taiwan
                                                                            Colombia
                                                                             Taiwan
           Costarica
                           Colombia
     import matplotlib.pyplot as plt

x = [8.42,8.25,8.17,8.08,7.92,8.17,8.25,8.08,8,8]

y = [5,80,25,322,24,30,27,90,30,60]
      plt.plot(x,y,marker='o')
     plt.title("Line Chart Example")
plt.xlabel("Balance")
plt.ylabel("Bag Weight")
      plt.show()
                                                   Line Chart Example
            300
           250
       Bag Weight
1200
            100
```





```
> 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')
        0.5
        0.0
      -0.5
      -1.0 L
                                                                                 10
8. This graph also reprents the sin graph with different color.
plt.plot(x,np.sin(x-0),color='blue')
     plt.plot(x,np.sin(x-1),color='grey')
     plt.plot(x,np.sin(x-2),color='red')
     plt.plot(x,np.sin(x-3),color='green')
     [<matplotlib.lines.Line2D at 0x7f72100c75e0>]
        0.5
        0.0
      -0.5
      -1.0
                                         4
                                                                                    10
```

