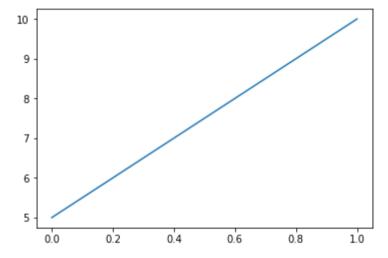
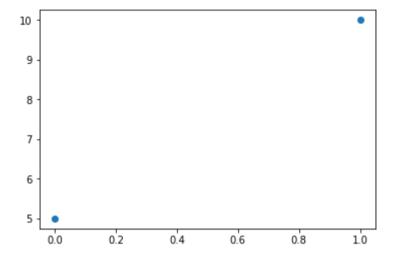
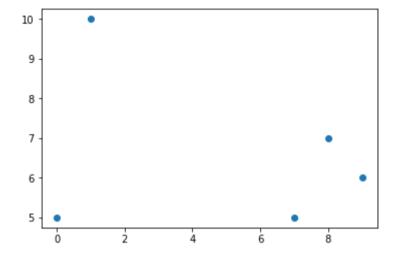
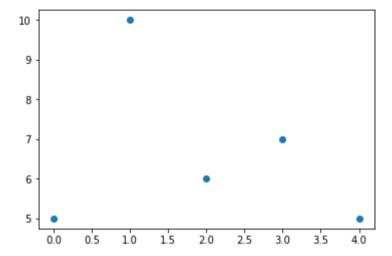
```
In [1]: 1 import matplotlib.pyplot as plt
import numpy as np
import pandas as pd

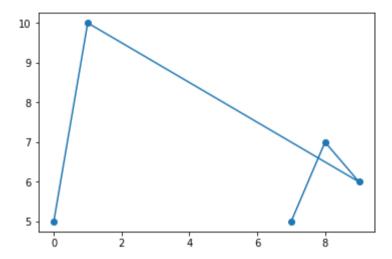
In [2]: 1 ## Plot a Line in pyplot
xpoints = np.array([0,1])
ypoints = np.array([5,10])
4
5 plt.plot(xpoints,ypoints)
6 plt.show()
```

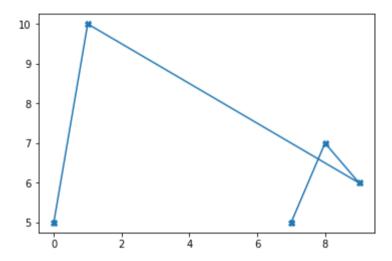


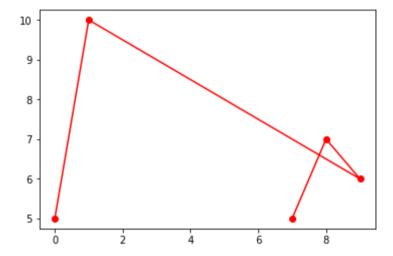


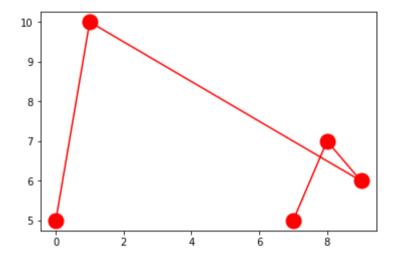


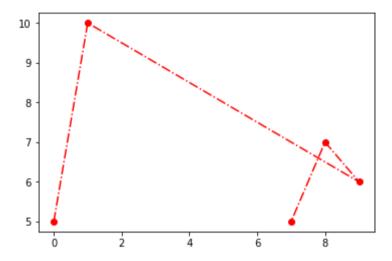


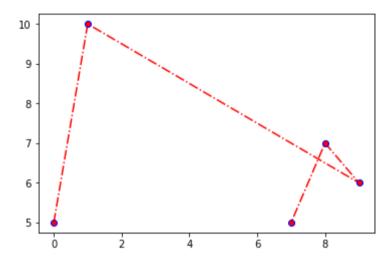


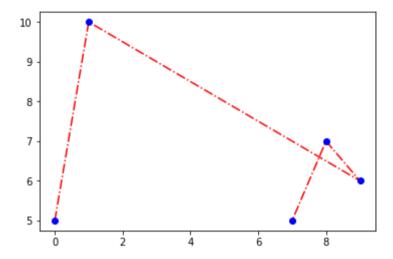








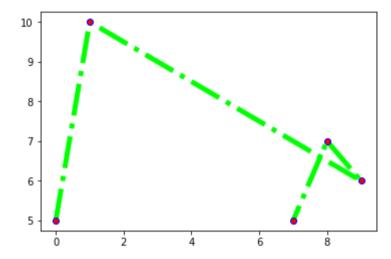


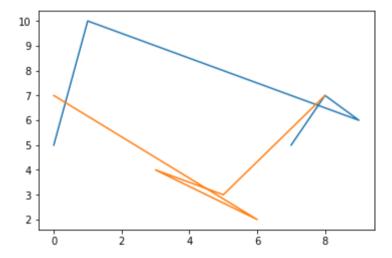


```
In [13]:  ## Plot lines with custom colors for markers in pyplot

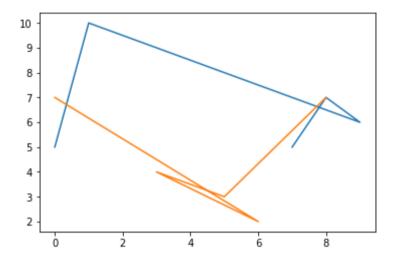
xpoints = np.array([0,1,9,8,7])
ypoints = np.array([5,10,6,7,5])

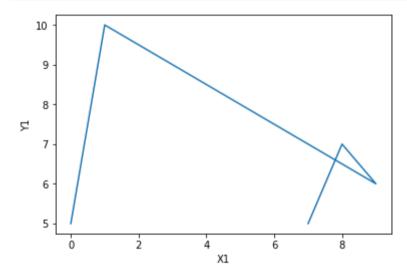
plt.plot(xpoints,ypoints,color = '#00FF00',marker = 'o',linestyle = '-.',mec = 'b',mfc = 'r',linewidth = 5)
plt.show()
```

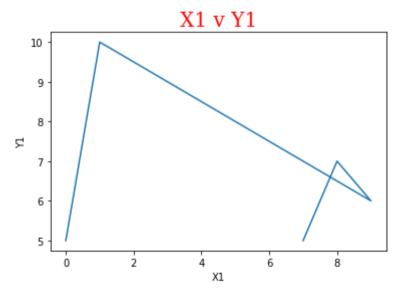




```
In [15]: 1
2    x1 = np.array([0,1,9,8,7])
3    y1 = np.array([5,10,6,7,5])
4    x2 = np.array([0,6,3,5,8])
5    y2 = np.array([7,2,4,3,7])
6
7    plt.plot(x1,y1)
8    plt.plot(x2,y2)
9    plt.show()
```

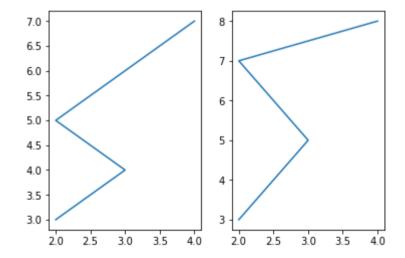




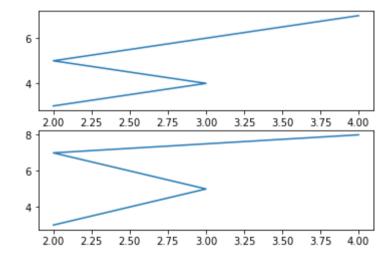


```
In [18]:
          1 ## 2 plots one after the other
           3
             ##
            x = np.array([2,3,2,4])
             y = np.array([3,4,5,7])
             plt.subplot(1,2,1)
             plt.plot(x,y)
          10 ##
          11 x = np.array([2,3,2,4])
          12 y = np.array([3,5,7,8])
          13
          14 plt.subplot(1,2,2)
          15 plt.plot(x,y)
          16
          17
```

Out[18]: [<matplotlib.lines.Line2D at 0x1edff1e1148>]



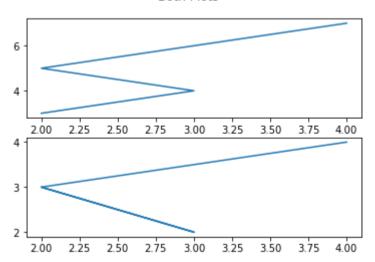
Out[19]: [<matplotlib.lines.Line2D at 0x1edff0b7248>]



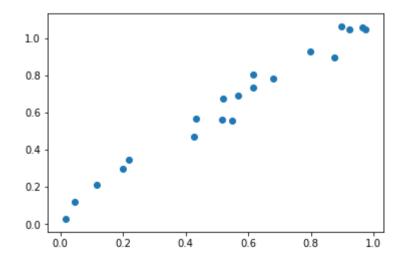
```
In [20]:
          1 ## 2 plots one after the other
           3
             ##
            x = np.array([2,3,2,4])
             y = np.array([3,4,5,7])
             plt.subplot(2,1,1) ## Row , Column , plot number
             plt.plot(x,y)
          10
            ##
          11 x = np.array([2,3,2,4])
            y = np.array([3,2,3,4])
          13
          14 plt.subplot(2,1,2)
          15 plt.plot(x,y)
          16
          17 plt.suptitle("Both Plots")
```

Out[20]: Text(0.5,0.98,'Both Plots')

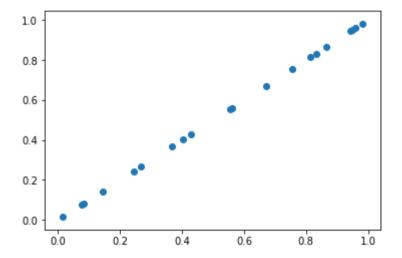
Both Plots



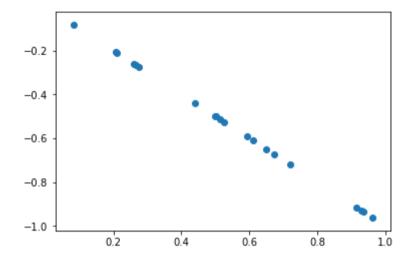
Out[33]: <matplotlib.collections.PathCollection at 0x1edfefe19c8>



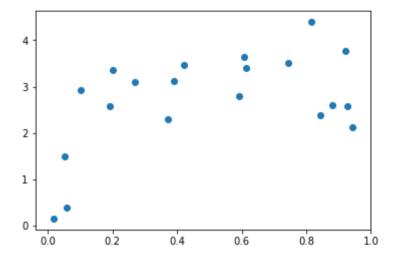
Out[34]: <matplotlib.collections.PathCollection at 0x1edff293188>



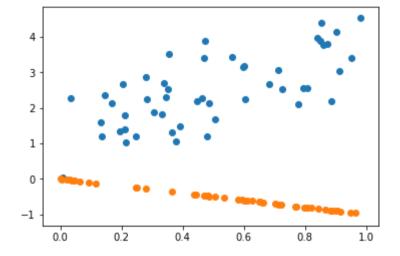
Out[35]: <matplotlib.collections.PathCollection at 0x1edff2eaf48>



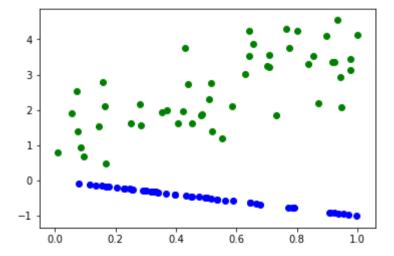
Out[44]: <matplotlib.collections.PathCollection at 0x1edff63eb88>

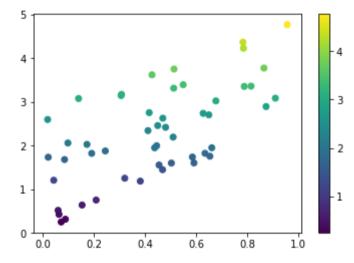


Out[39]: <matplotlib.collections.PathCollection at 0x1edff46e288>

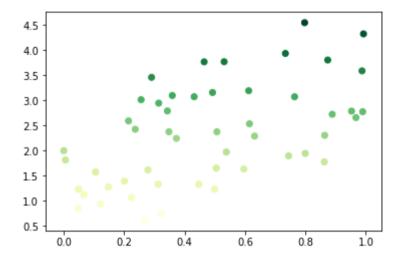


Out[47]: <matplotlib.collections.PathCollection at 0x1edff86e1c8>

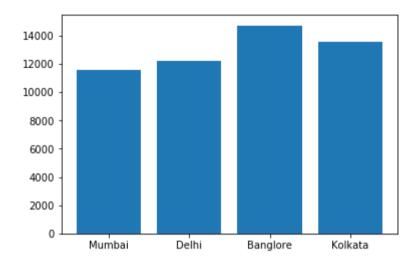




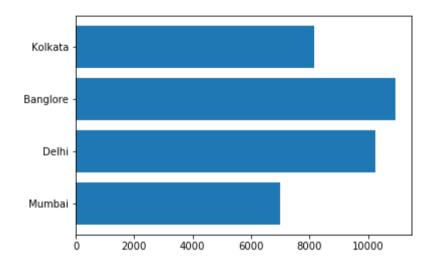
Out[55]: <matplotlib.collections.PathCollection at 0x1edffb19608>



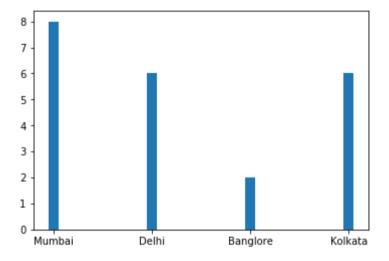
Out[66]: <BarContainer object of 4 artists>

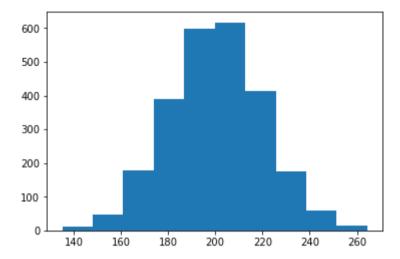


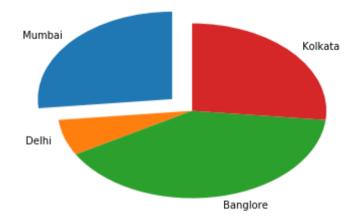
Out[67]: <BarContainer object of 4 artists>

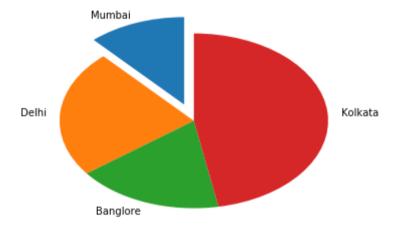


Out[71]: <BarContainer object of 4 artists>









```
In [ ]: 1
```