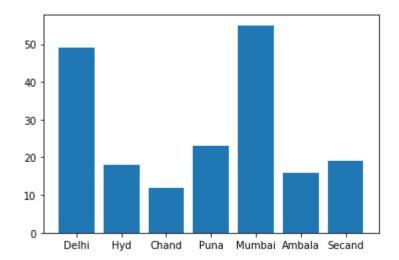
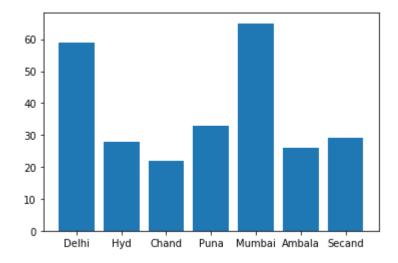
Out[7]: <BarContainer object of 7 artists>



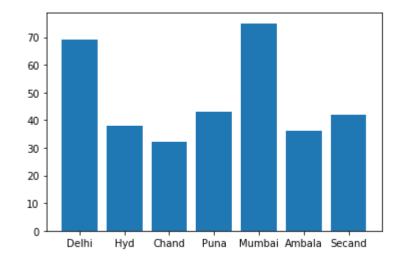
In [8]: plt.bar(city,day2)

Out[8]: <BarContainer object of 7 artists>



In [9]: plt.bar(city,day3)

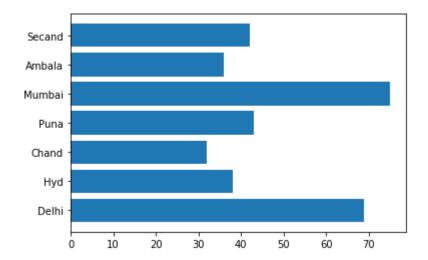
Out[9]: <BarContainer object of 7 artists>



In []:

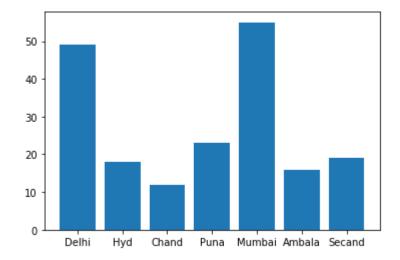
```
In [10]: plt.barh(city,day3)
```

Out[10]: <BarContainer object of 7 artists>



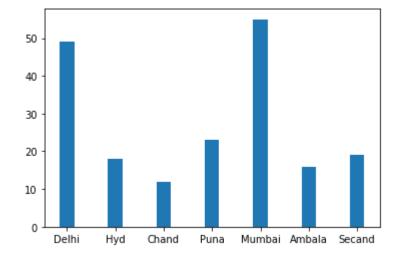
```
In [ ]:
In [ ]:
In [11]: # bar
plt.bar(city,day1)
```

Out[11]: <BarContainer object of 7 artists>



```
In [12]: plt.bar(city,day1,width=0.3)
```

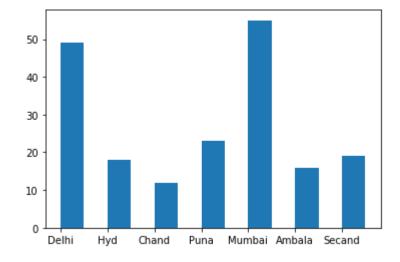
Out[12]: <BarContainer object of 7 artists>



```
In [ ]:
```

In [14]: plt.bar(city,day1,width=0.5,align='edge')

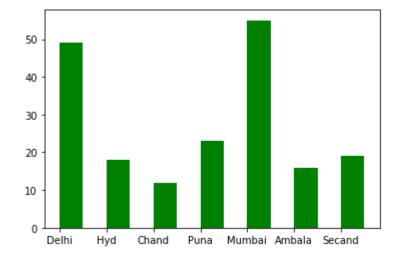
Out[14]: <BarContainer object of 7 artists>



```
In [ ]:
```

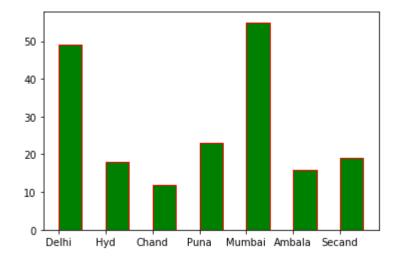
```
In [15]: plt.bar(city,day1,width=0.5,align='edge',color='g')
```

Out[15]: <BarContainer object of 7 artists>



```
In [ ]:
In [16]: plt.bar(city,day1,width=0.5,align='edge',color='g',edgecolor='r')
```

Out[16]: <BarContainer object of 7 artists>



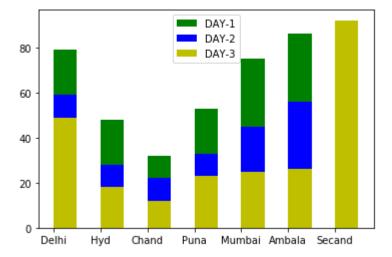
```
In [ ]:
In [ ]:
```

```
In [29]: # Example

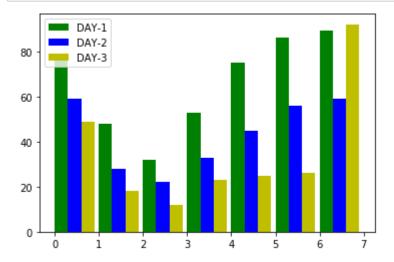
city = ['Delhi','Hyd','Chand','Puna','Mumbai','Ambala','Secand']
day1 = [79,48,32,53,75,86,89]
day2 = [59,28,22,33,45,56,59]
day3 = [49,18,12,23,25,26,92]
```

```
In [30]: plt.bar(city,day1,width=0.5,align='edge',color='g',label="DAY-1")
    plt.bar(city,day2,width=0.5,align='edge',color='b',label="DAY-2")
    plt.bar(city,day3,width=0.5,align='edge',color='y',label="DAY-3")

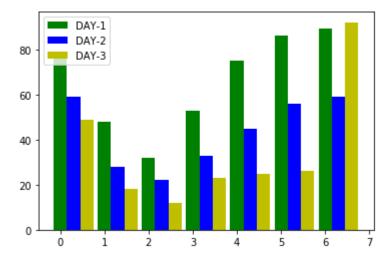
plt.legend()
    plt.show()
```



In [46]: plt.bar(city_data,day1,width,align='edge',color='g',label="DAY-1")
 plt.bar(city_data+width,day2,width,align='edge',color='b',label="DAY-2")
 plt.bar(city_data+width+width,day3,width,align='edge',color='y',label="DAY-3")
 plt.legend()
 plt.show()



In [47]: plt.bar(city_data,day1,width,align='center',color='g',label="DAY-1")
 plt.bar(city_data+width,day2,width,align='center',color='b',label="DAY-2")
 plt.bar(city_data+width+width,day3,width,align='center',color='y',label="DAY-3")
 plt.legend()
 plt.show()



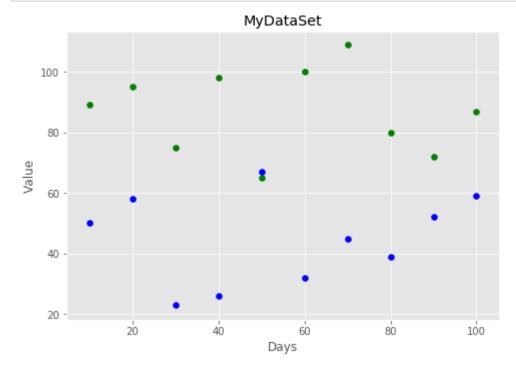
```
In [ ]:
In [48]:
         plt.barh(city_data,day1,width,align='center',color='g',label="DAY-1")
         plt.barh(city_data+width,day2,width,align='center',color='b',label="DAY-2")
         plt.barh(city_data+width+width,day3,width,align='center',color='y',label="DAY-3"
         plt.legend()
         plt.show()
          6
          5
          4
                                                    DAY-2
          3
                                                    DAY-3
          2
          1
          0
                                        60
                     20
                              40
                                                 80
In [ ]:
In [ ]:
In [ ]:
In [54]:
         # Example
         days = [10,20,30,40,50,60,70,80,90,100]
         day1 = [89,95,75,98,65,100,109,80,72,87]
         day2 = [50,58,23,26,67,32,45,39,52,59]
         from matplotlib import style
```

```
In [56]: # scatter plot

style.use('ggplot')
fig = plt.figure()
data = fig.add_axes([0,0,1,1])
data.scatter(days,day1,color='g')
data.scatter(days,day2,color='b')

data.set_title("MyDataSet")
data.set_xlabel("Days")
data.set_ylabel("Value")

plt.show()
```



```
In [62]: data1 = np.linspace(-5, 5,100)
    data1
    data2 = np.linspace(-5, 5,100)
    data2
```

In [70]: # contour plot

```
res1,res2 = np.meshgrid(data1,data2)
result = np.sqrt(res1**2+res2**2)
fig,setdata = plt.subplots(1,1)
res_data = setdata.contourf(res1,res2,result)
fig.colorbar(res_data)
plt.show()
```

