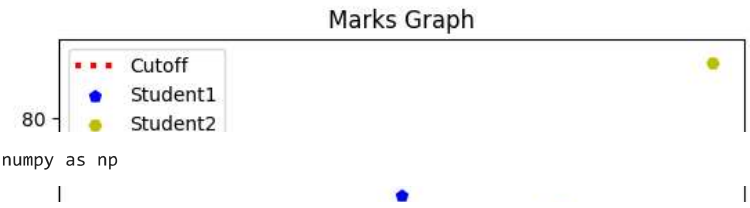
```
from matplotlib import pyplot as plt


#Line graph title, lables, legend, color,width,markers
x=[1,2,3,4,5]
y=[2,4,3,2,1]
plt.plot(x,y)
plt.title("My First Plot")
plt.xlabel('X values')
plt.ylabel('Y values')
```

```
Text(0, 0.5, 'Y values')
```


```
#There are five subjects psychology,nano technology,medicine,onchology,anthropology
#Two students have applied to do masters in five fields with a line plot show in wh4ich field they can excel,the cutoff of each subject
std1=[67,45,73,71,57]
std2=[43,67,68,53,85]
cutoff=[70,70,70,70,70]
sub=['Psy','Nano','Med','Onc','Anthro']
plt.title("Marks Graph")
#cutoff
plt.plot(sub,cutoff,label="Cutoff",color="r",linestyle=":",linewidth=3)#plt.plottype(x,y,color,marker,linewidth,linestyle)
#student 1
plt.scatter(sub,std1,label="Student1",color="b",marker="p")
#student 2
plt.scatter(sub,std2,label="Student2",color="y",marker="H")
plt.xlabel("Subjects")
plt.ylabel("Marks")
plt.legend()
```

```
<matplotlib.legend.Legend at 0x7ec790f9f820>
```




```
import numpy as np
```

```
#an india vs aus match is on live ,india has given 298 as target for aus ,the runs for every 5 overs is given as follows
ind=np.array([25,51,84,131,160,189,220,250,267,297])
#aus have completed 25 overs
aus=np.array([15,41,94,110,151])
#plot overs vs runs for the both countries with ind as blue line and aus yellow,give appropriate labels and legend,the marker for ind is
#Take overs from arange func. Create runs as arrays
plt.title("Ind vs Aus")
oversi=np.arange(5,51,5)
oversa=np.arange(5,26,5)
plt.plot(oversi,ind,label="ind",color="b",marker=">",linewidth="2")
plt.plot(oversa,aus,label="aus",color="y",marker="+",linewidth="2")
plt.xlabel('Overs')
plt.ylabel('Runs')
plt.legend()
plt.grid()
```