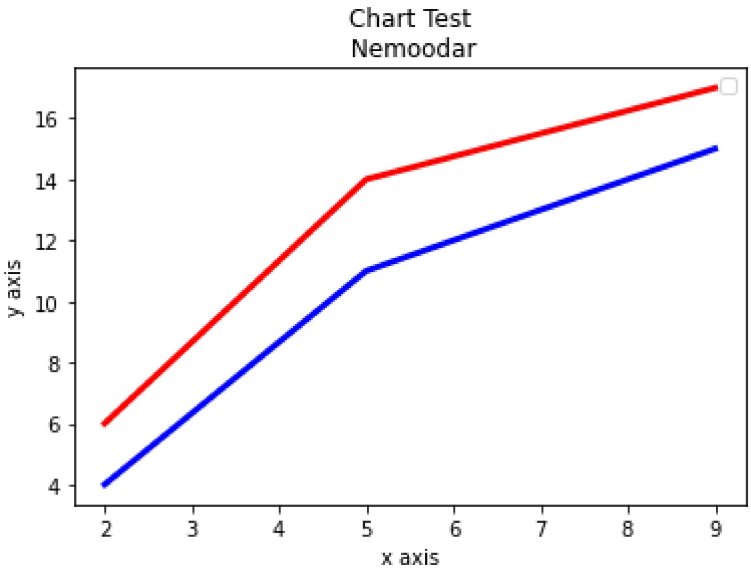
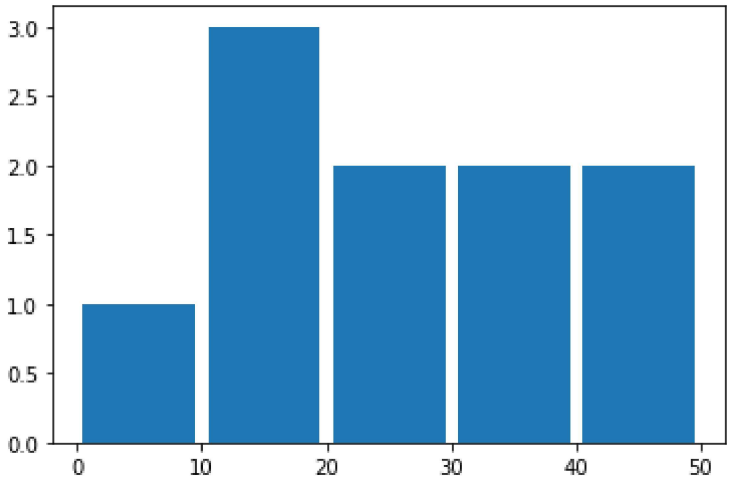
In [6]:
```
import matplotlib.pyplot as plt
```

In [47]:
```
x = [2,5,9]
y = [6,14,17]
y2 = [4,11,15]
plt.plot(x,y,color = 'r',linewidth=3)
plt.plot(x,y2,color = 'b',linewidth=3)
plt.xlabel('x axis')
plt.ylabel('y axis')
plt.title('Chart Test\n Nemoodar')
plt.legend()
plt.show()
```

```
No handles with labels found to put in legend.
```

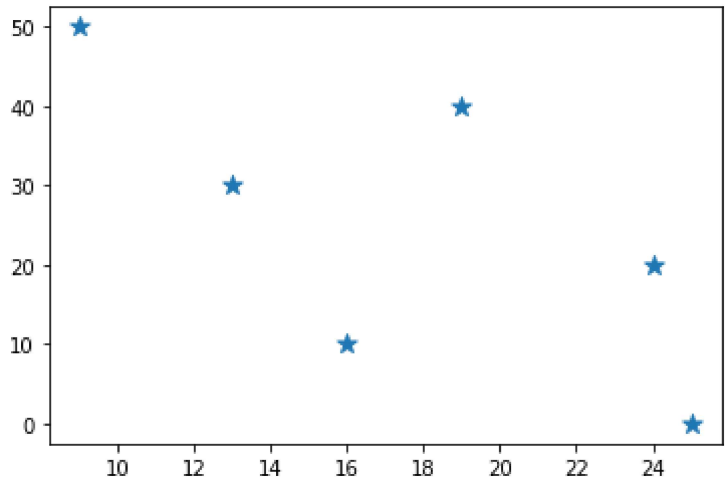


In [54]:
```
age = [25,16,24,13,19,9,38,37,44,41]
bin = [0,10,20,30,40,50]
plt.hist(age , bin , histtype = 'bar' , rwidth = 0.9)
plt.show()
```



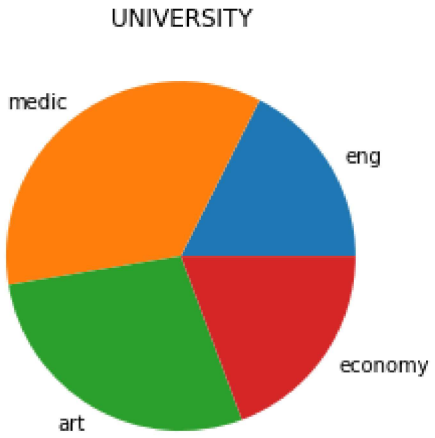
In [60]:

```
x = [25,16,24,13,19,9]
y = [0,10,20,30,40,50]
plt.scatter(x,y,label = 'test' , marker = '*' , s = 100);
```



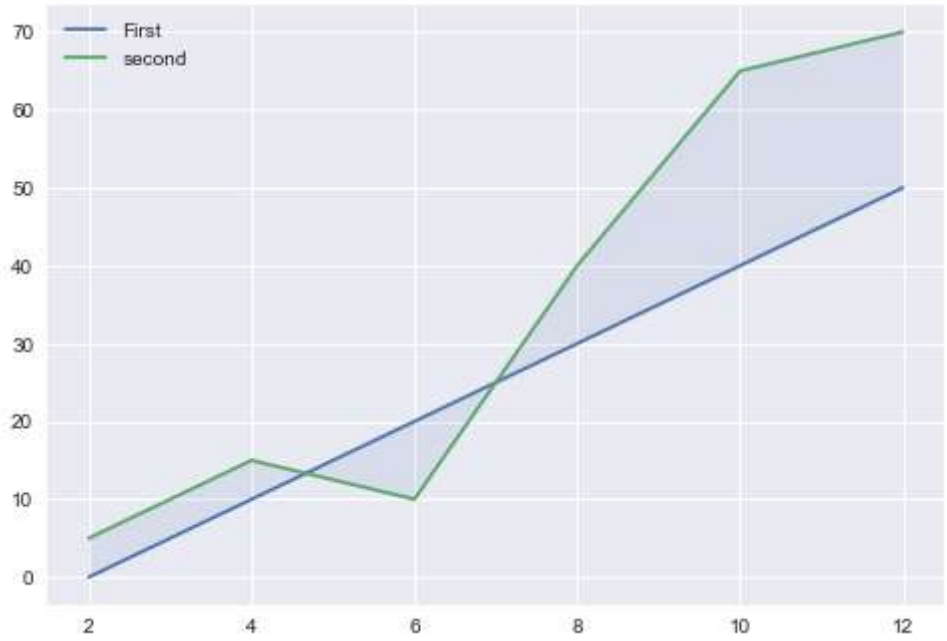
In [61]:

```
major = ['eng' , 'medic' , 'art' , 'economy']
stu = [50,100,80,55]
plt.pie(stu , labels = major)
plt.title('UNIVERSITY')
plt.show()
```



In [5]:

```
x = [2,4,6,8,10,12]
y1 = [0,10,20,30,40,50]
y2 = [5,15,10,40,65,70]
plt.style.use('seaborn')
plt.plot(x,y1,label='First')
plt.plot(x,y2,label='second')
plt.legend()
plt.fill_between(x,y1,y2,alpha = 0.1)
plt.figure(figsize=(25,4))
plt.show()
```




```
<Figure size 1800x288 with 0 Axes>
```

In [71]:
```
plt.style.available
```

Out[71]:
```
['Solarize_Light2',
 '_classic_test_patch',
 'bmh',
 'classic',
 'dark_background',
 'fast',
 'fivethirtyeight',
 'ggplot',
 'grayscale',
 'seaborn',
 'seaborn-bright',
 'seaborn-colorblind',
 'seaborn-dark',
 'seaborn-dark-palette',
 'seaborn-darkgrid',
 'seaborn-deep',
 'seaborn-muted',
 'seaborn-notebook',
 'seaborn-paper',
 'seaborn-pastel',
 'seaborn-poster',
 'seaborn-talk',
 'seaborn-ticks',
 'seaborn-white',
 'seaborn-whitegrid',
 'tableau-colorblind10']
```

In [ ]:
```

```