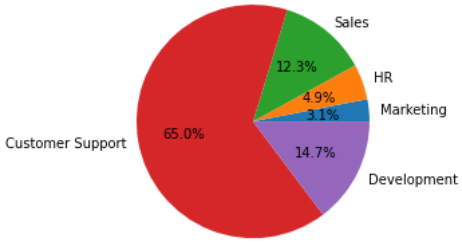
```
import matplotlib.pyplot as plt
%matplotlib inline
```

Pie Chart

```
areas = ['Marketing','HR', 'Sales','Customer Support','Development']
budget = [2.5,4,10,53,12]

plt.pie(budget,labels = areas, autopct = '%0.1F%%')
plt.show()
```

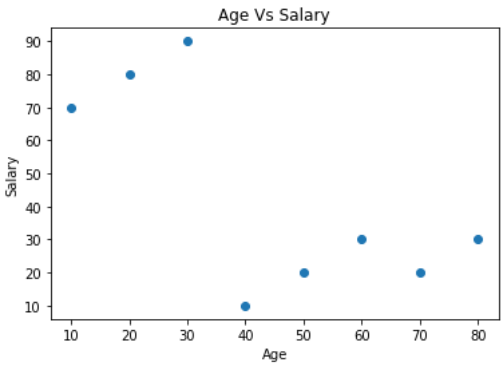


Scatter

```
x = [10,20,30,40,50,60,70,80]
y = [70,80,90,10,20,30,20,30]

plt.scatter(x,y)
plt.xlabel('Age')
plt.ylabel('Salary')
plt.title('Age Vs Salary')
```

```
Text(0.5, 1.0, 'Age Vs Salary')
```

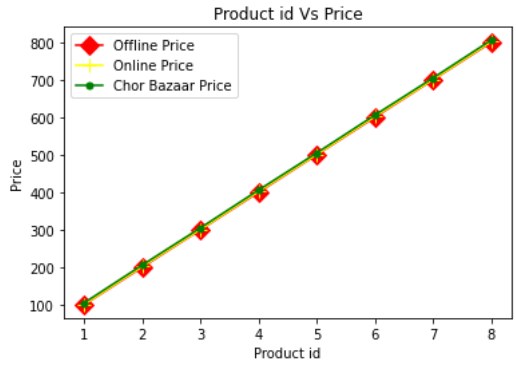


Plot Function

```
product_id = [1,2,3,4,5,6,7,8]
online_price = [100,200,300,400,500,600,700,800]
offline_price = [101,202,301,402,501,602,701,802]
chor_price = [105,206,305,406,505,606,705,806]
```

```
plt.plot(product_id,online_price,color='red',marker='D', markersize=1
plt.plot(product_id,offline_price,color='yellow',marker='+', markers1
plt.plot(product_id,chor_price,color='green',marker='.', markersize=1
plt.xlabel('Product id')
plt.ylabel('Price')
plt.title('Product id Vs Price')
plt.legend()
```

```
<matplotlib.legend.Legend at 0x7f5b006d6fa0>
```

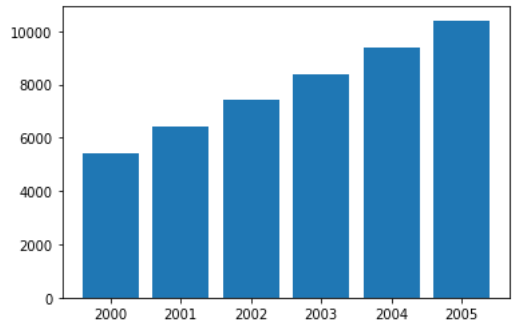


Bar Graph

```
year = [2000,2001,2002,2003,2004,2005]
price = [5400,6400,7400,8400,9400,10400]

plt.bar(year,price)
```

```
<BarContainer object of 6 artists>
```




```
plt.barh(year,price,color='blue')
```

```
<BarContainer object of 6 artists>
```