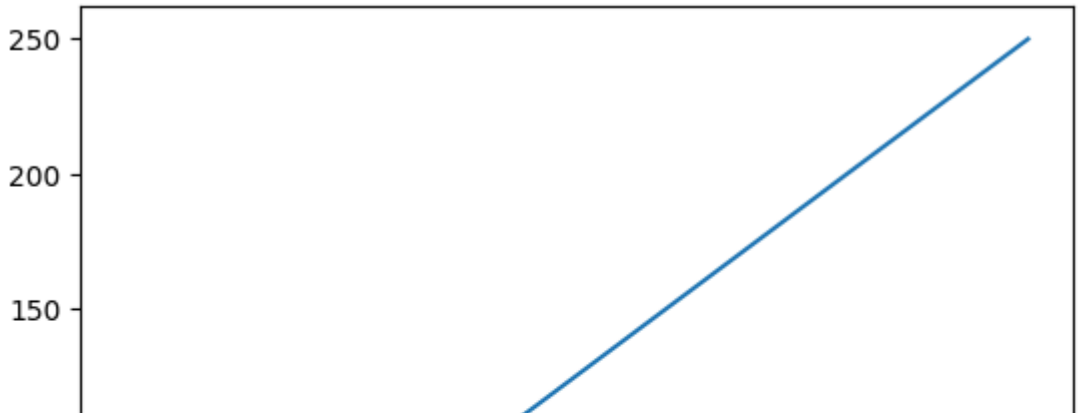
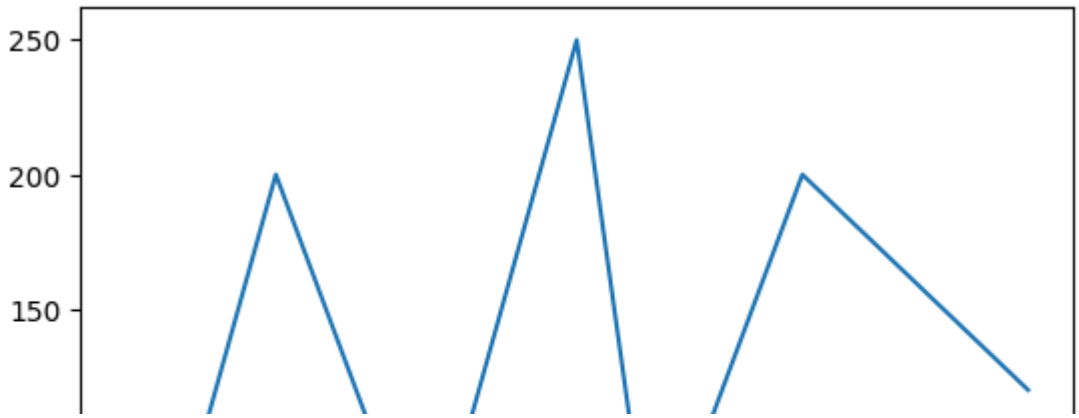
```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([0,6])
y=np.array([0,250])
plt.plot(x,y)
plt.plot()
```

```
[]
```

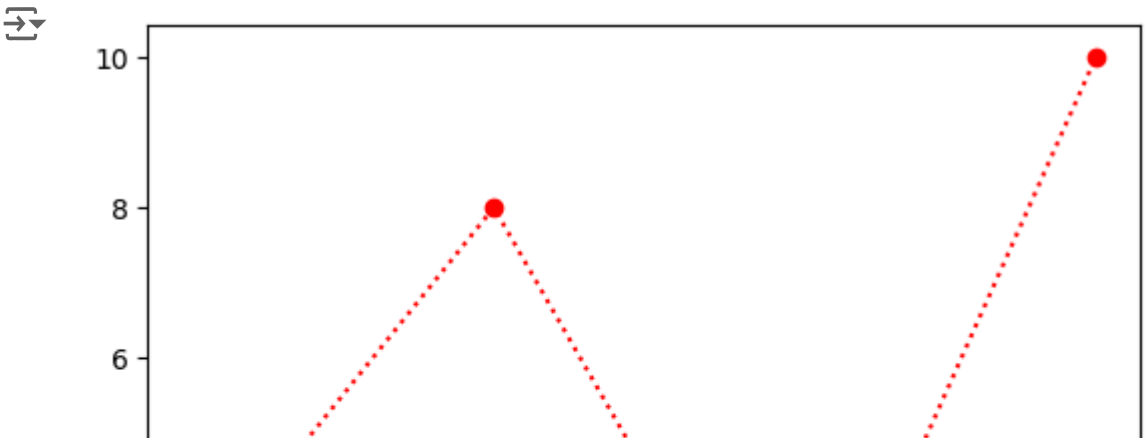



```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([1,3,5,7,8,10,13])
y=np.array([0,200,50,250,50,200,120])
plt.plot(x,y)
plt.plot()
```

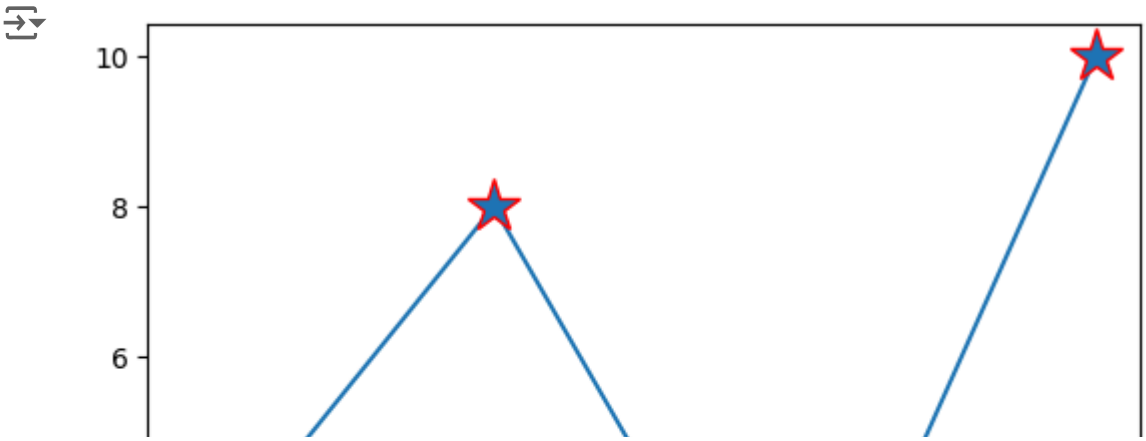
```
[]
```



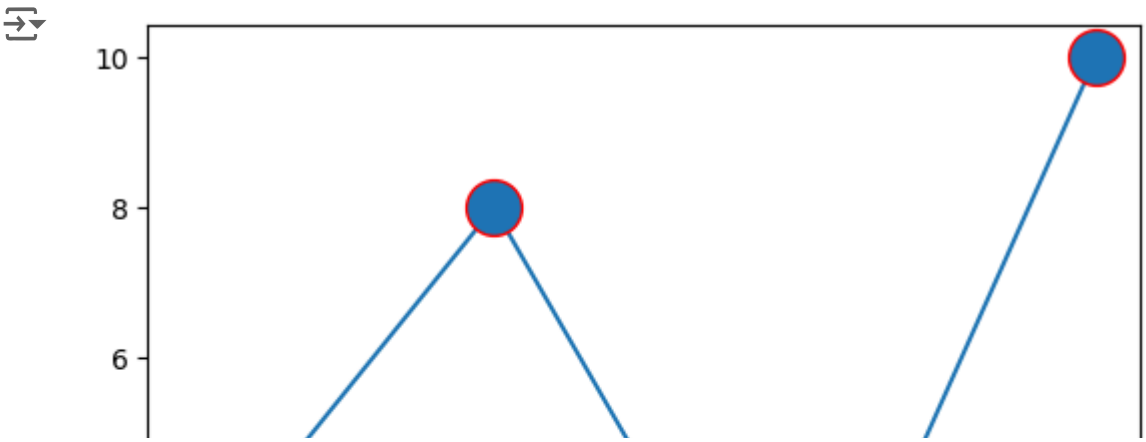

```
import matplotlib.pyplot as plt
import numpy as np
y=np.array([3,8,1,10])
plt.plot(y,'o:r')
plt.show()
```




```
import matplotlib.pyplot as plt
import numpy as np
y=np.array([3,8,1,10])
plt.plot(y,marker='*',ms=20,
mec='r')
plt.show()
```

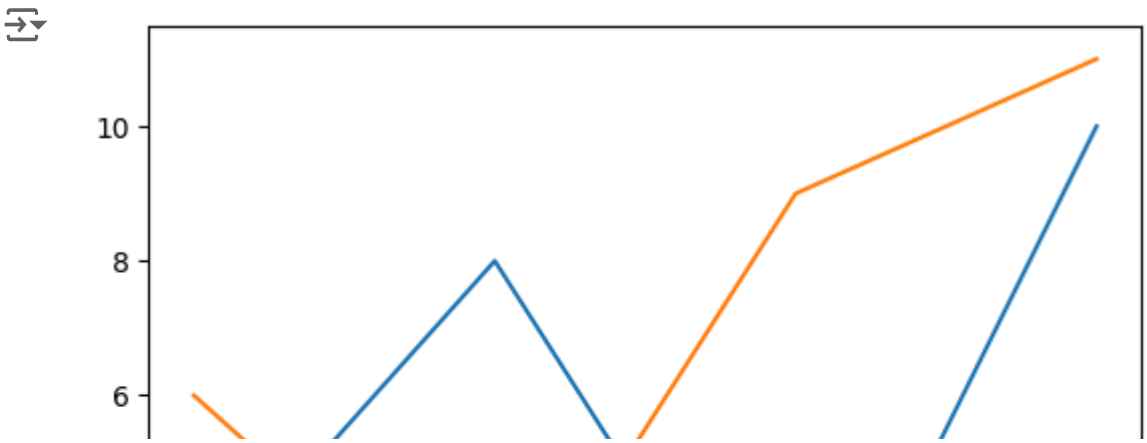



```
import matplotlib.pyplot as plt
import numpy as np
y=np.array([3,8,1,10])
plt.plot(y,marker='o',ms=20,
mec='r')
plt.show()
```



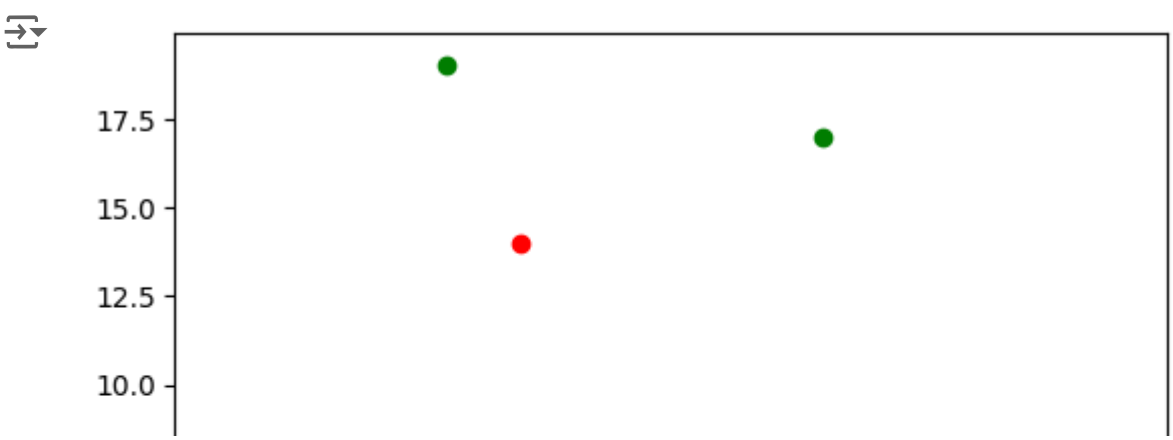

```
import matplotlib.pyplot as plt
import numpy as np
x1=np.array([0,1,2,3])
y1=np.array([3,8,1,10])
x2=np.array([0,1,2,3])
y2=np.array([6,2,9,11])
```

```
plt.plot(x1,y1,x2,y2)
plt.show()
```

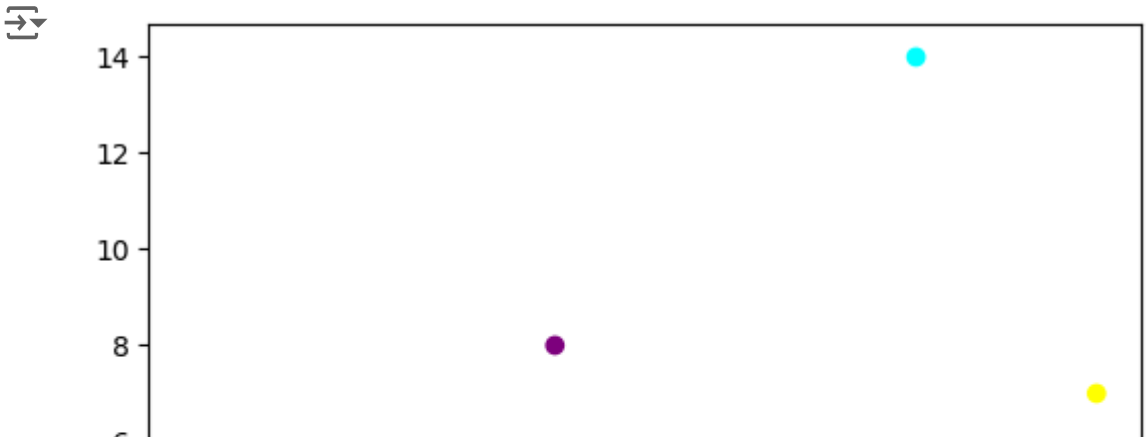



```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([0,1,2,3,4,5])
y=np.array([0,8,12,20,26,38])
plt.scatter(x,y)
plt.show()
```

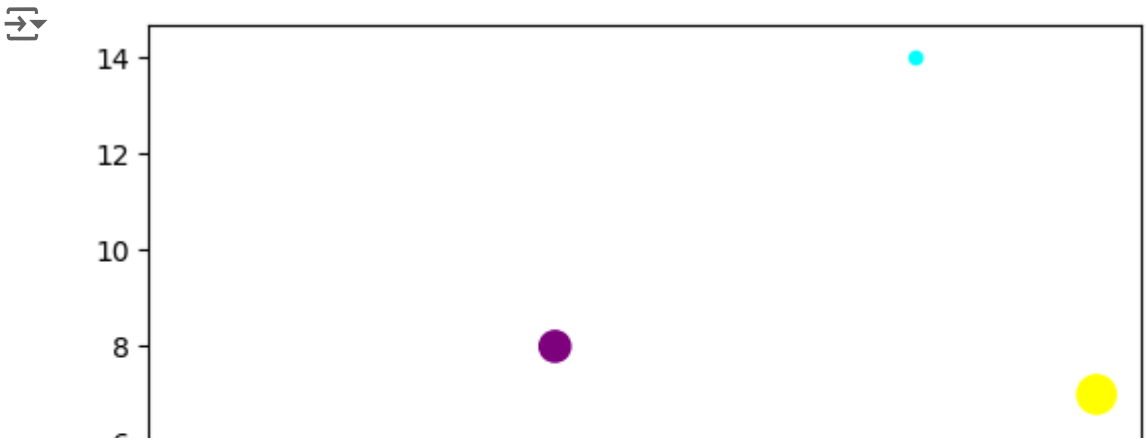

```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([0,1,2,3,4,5])
y=np.array([0,2,8,1,14,7])
plt.scatter(x,y,color='red')

x=np.array([12,6,8,11,8,3])
y=np.array([5,6,3,7,17,19])
plt.scatter(x,y,color='green')
plt.show()
```



```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([0,1,2,3,4,5])
y=np.array([0,2,8,1,14,7])
mycolor=['red','green','purple','lime','aqua','yellow']
plt.scatter(x,y,color=mycolor)
plt.show()
```




```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([0,1,2,3,4,5])
y=np.array([0,2,8,1,14,7])
mycolor=['red','green','purple','lime','aqua','yellow']
size=[10,60,120,80,20,190]
plt.scatter(x,y,color=mycolor,s=size)
plt.show()
```



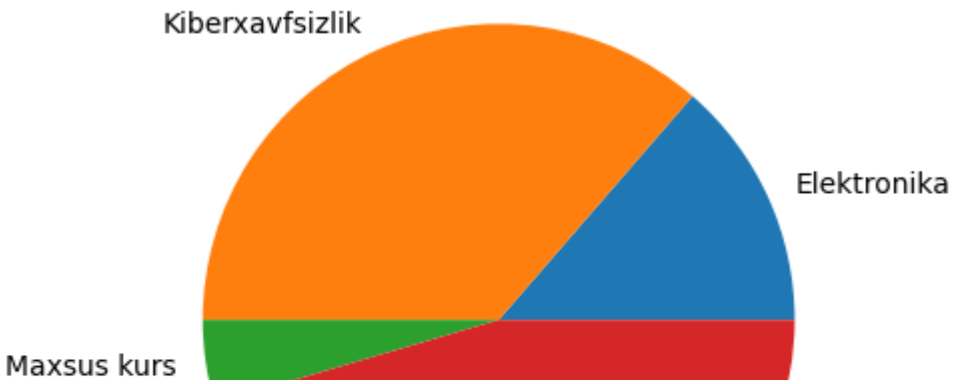

```
import matplotlib.pyplot as plt
import numpy as np
x=np.array(['A','B','C','D'])
y=np.array([3,8,1,10])
plt.bar(x,y)
plt.show()
```


```
import matplotlib.pyplot as plt
import numpy as np
x=np.array(['A','B','C','D'])
y=np.array([3,8,1,10])
plt.barh(x,y)
plt.show()
```

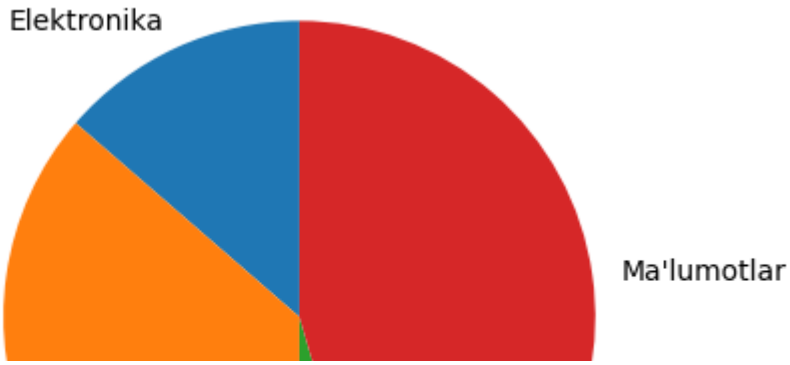

```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([35,25,25,15])

plt.pie(y)
plt.show()
```

```
import matplotlib.pyplot as plt
import numpy as np
```

```
x=np.array([35,25,25,15])
mylabels=["Elektronika","Kiberxavfsizlik","Maxsus kurs","Ma'lumotlar"]

plt.pie(y,labels=mylabels)
plt.show()
```




```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([35,25,25,15])
mylabels=["Elektronika","Kiberxavfsizlik","Maxsus kurs","Ma'lumotlar"]

plt.pie(y,labels=mylabels,startangle=90)
plt.show()
```




```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([35,25,25,15])
mylabels=["Elektronika","Kiberxavfsizlik","Maxsus kurs","Ma'lumotlar"]
myexplode=[0.2,0,0,0]
plt.pie(y,labels=mylabels,startangle=90,explode=myexplode)
plt.show()
```


```
import matplotlib.pyplot as plt
import numpy as np
x=np.array([35,25,25,15])
mylabels=["Elektronika","Kiberxavfsizlik","Maxsus kurs","Ma'lumotlar"]
myexplode=[0.2,0,0,0]
plt.pie(y,labels=mylabels,startangle=90,explode=myexplode,shadow=True)
plt.show()
```