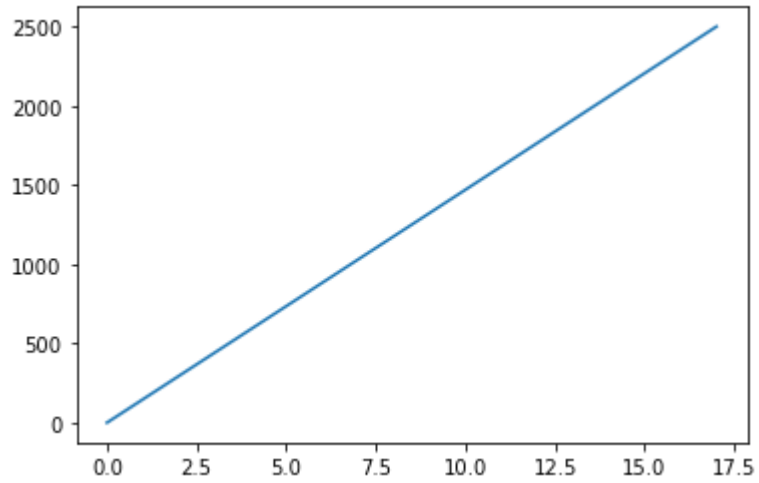
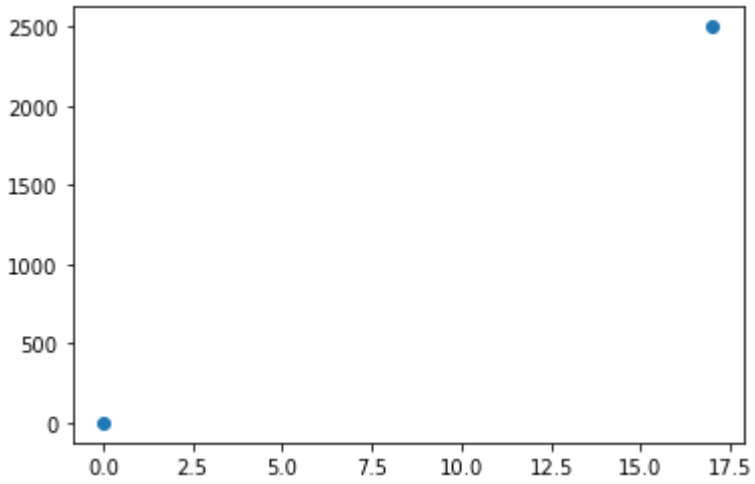
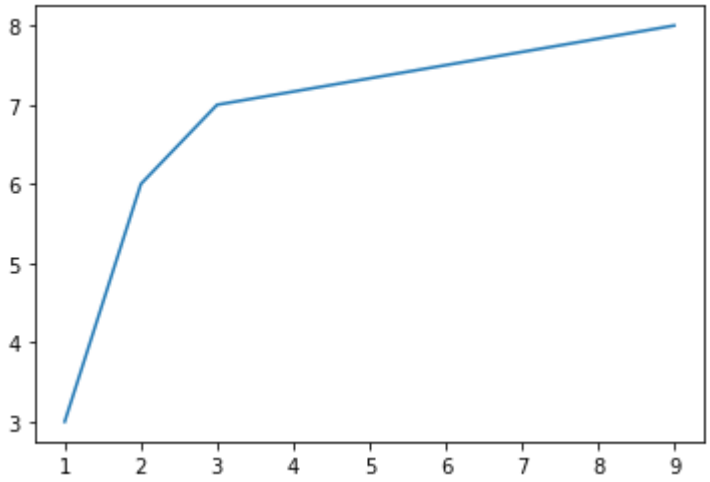
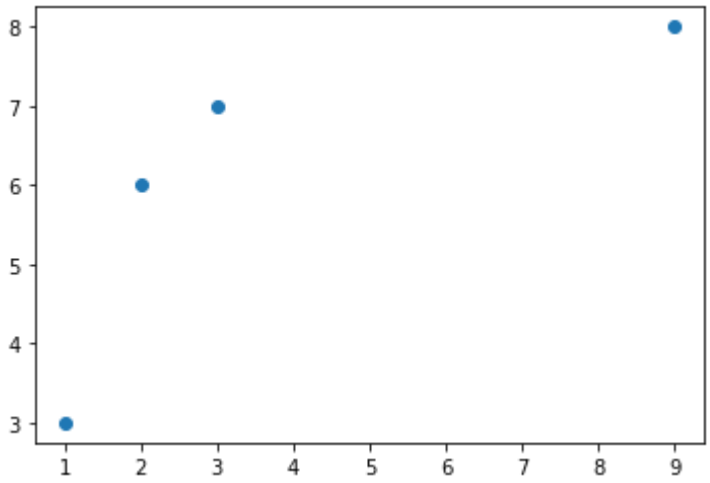
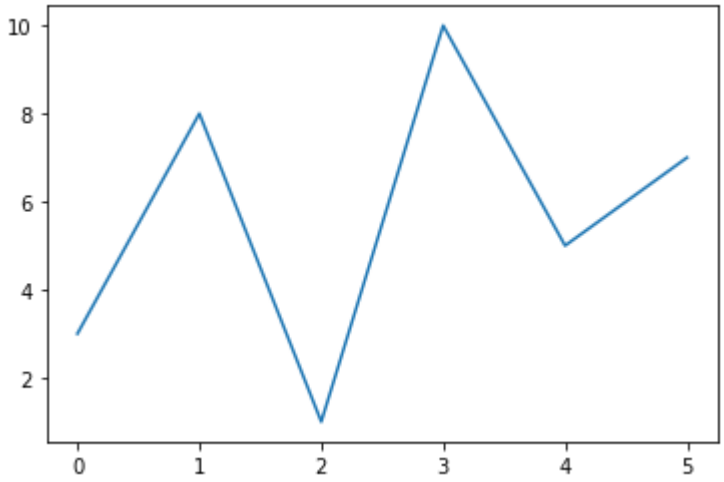
In [9]:
```
import matplotlib.pyplot as p
import numpy as np

xpoints = np.array([0, 17])
ypoints = np.array([0, 2500])
#plot with lines
p.plot(xpoints, ypoints)
p.show()

#plot with dots
p.plot(xpoints, ypoints, 'o')
p.show()

#plot with multiple points connected by lines
xpoints=np.array([1,2,3,9])
yp=np.array([3,6,7,8])
p.plot(xpoints,yp)
p.show()

#plot with multiple dots
p.plot(xpoints, yp, 'o')
p.show()

#plot with only y points x points here are 0,1,2,3
ypoints = np.array([3, 8, 1, 10, 5, 7])
p.plot(ypoints)
p.show()
```



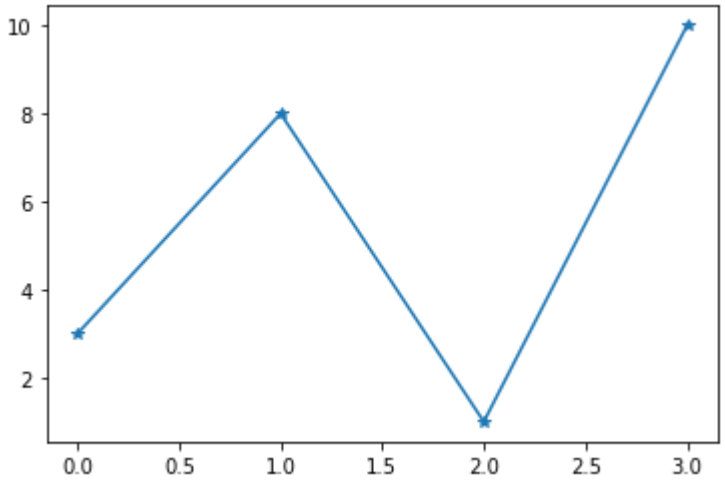

2500
2000
1500
1000
500
0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5

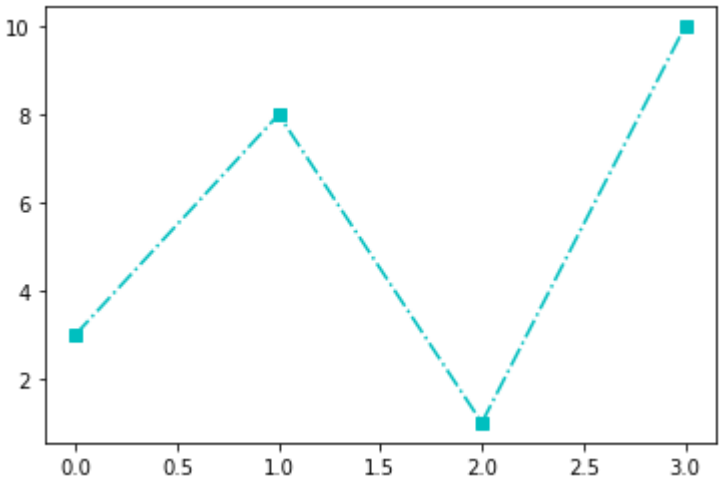

8
7
6
5
4
3
1
2
3
4
5
6
7
8
9

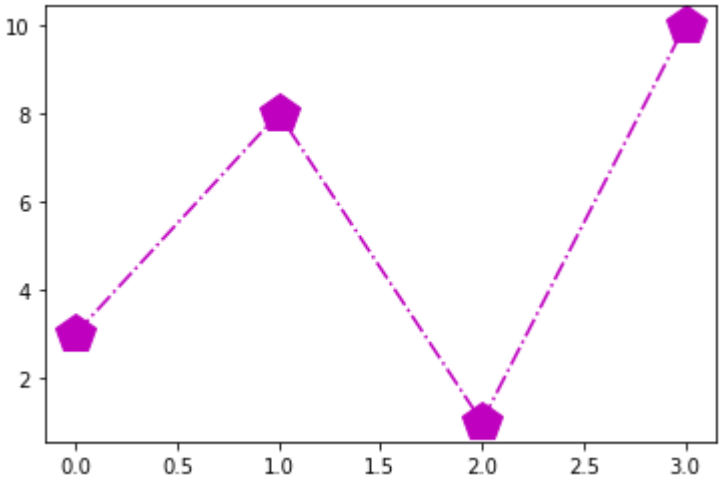

8
7
6
5
4
3
1
2
3
4
5
6
7
8
9

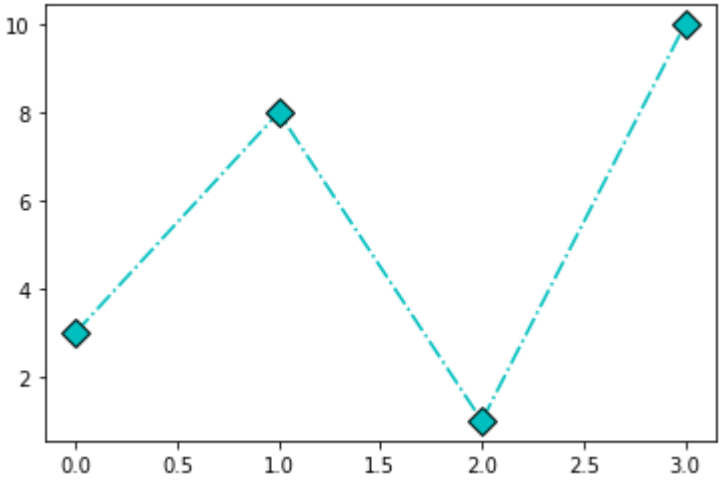

10
8
6
4
2
0
1
2
3
4
5

In [29]:
```
#markers
import matplotlib.pyplot as plt
import numpy as np

ypoints = np.array([3, 8, 1, 10])

plt.plot(ypoints, marker = '*')
plt.show()
#marker maker|line|color
plt.plot(ypoints, 's-.c')
plt.show()

#markers size

plt.plot(ypoints, 'p-.m', ms = 20)
plt.show()

#markers edge color
plt.plot(ypoints, 'D-.c', ms = 10,mec='k')
plt.show()
```

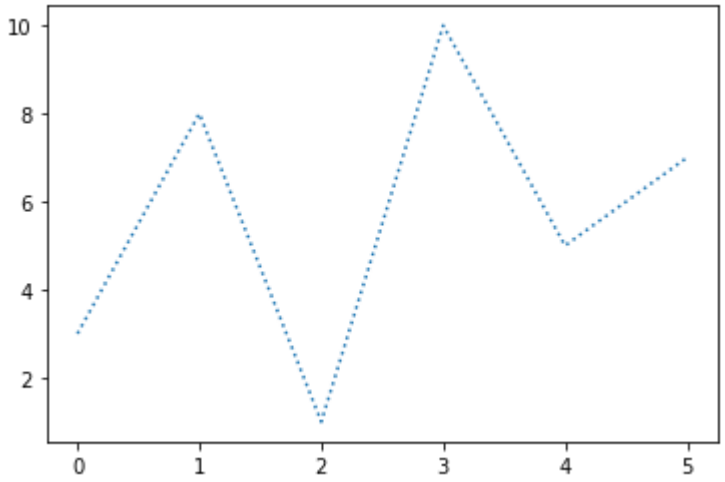


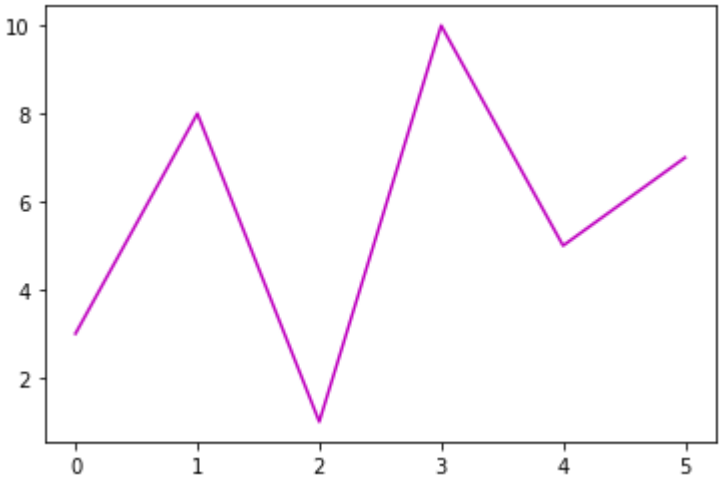

10
8
6
4
2
0.0
0.5
1.0
1.5
2.0
2.5
3.0

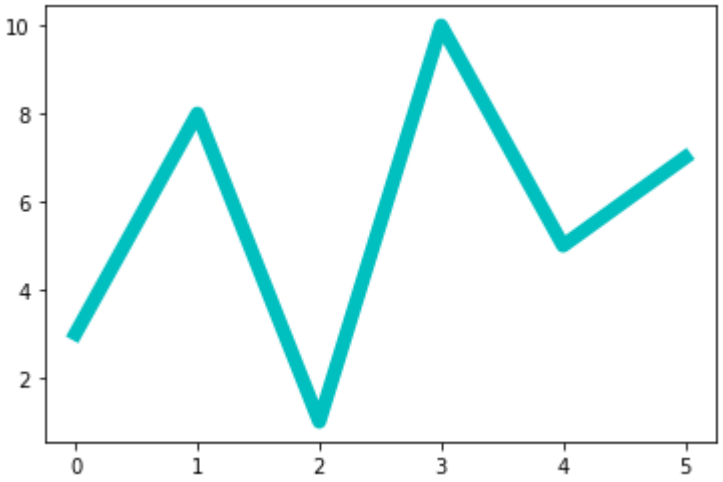

10
8
6
4
2
0.0
0.5
1.0
1.5
2.0
2.5
3.0


10
8
6
4
2
0.0
0.5
1.0
1.5
2.0
2.5
3.0

In [44]:
```
ypoints = np.array([3, 8, 1, 10, 5, 7])
p.plot(ypoints,linestyle="dotted")
p.show()

p.plot(ypoints,color="m")
p.show()

p.plot(ypoints,linewidth='7',color='c')
p.show()

y2p=np.array([4,7,9,6,4])
p.plot(ypoints,'p-.m', ms = 10)
p.plot(y2p,'h-.c', ms = 10,mec='k')
p.show()
```




10
8
6
4
2
0
1
2
3
4
5


10
8
6
4
2
0
1
2
3
4
5