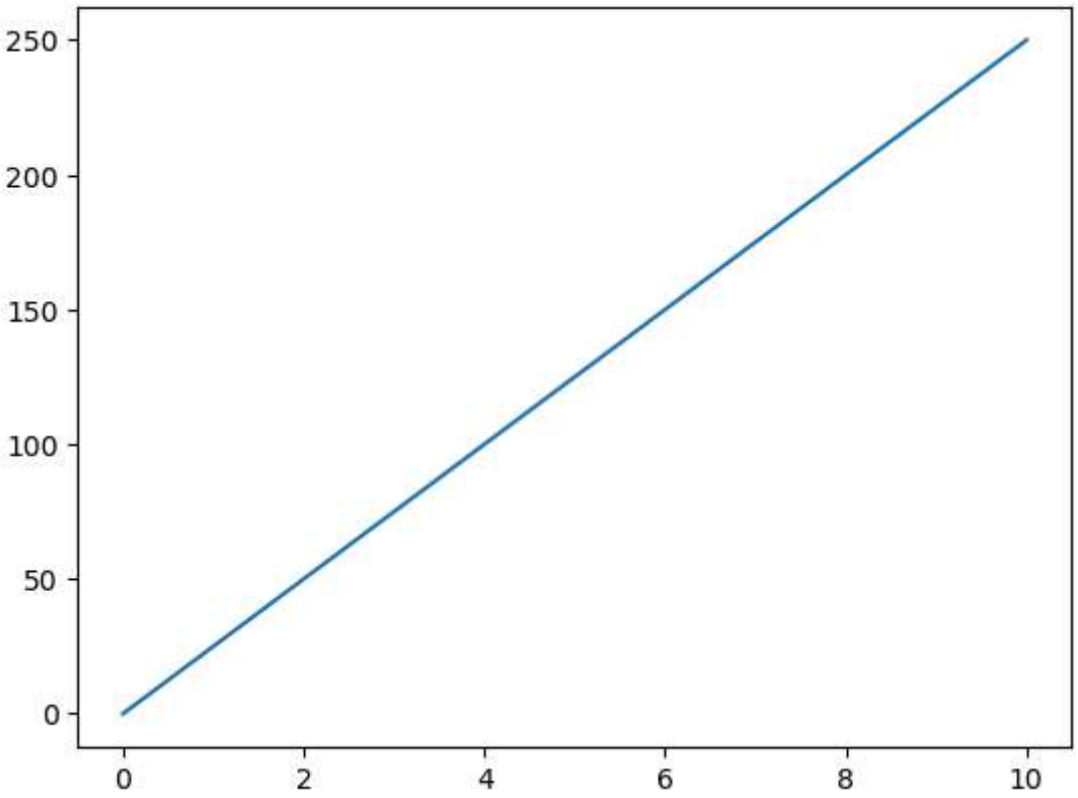
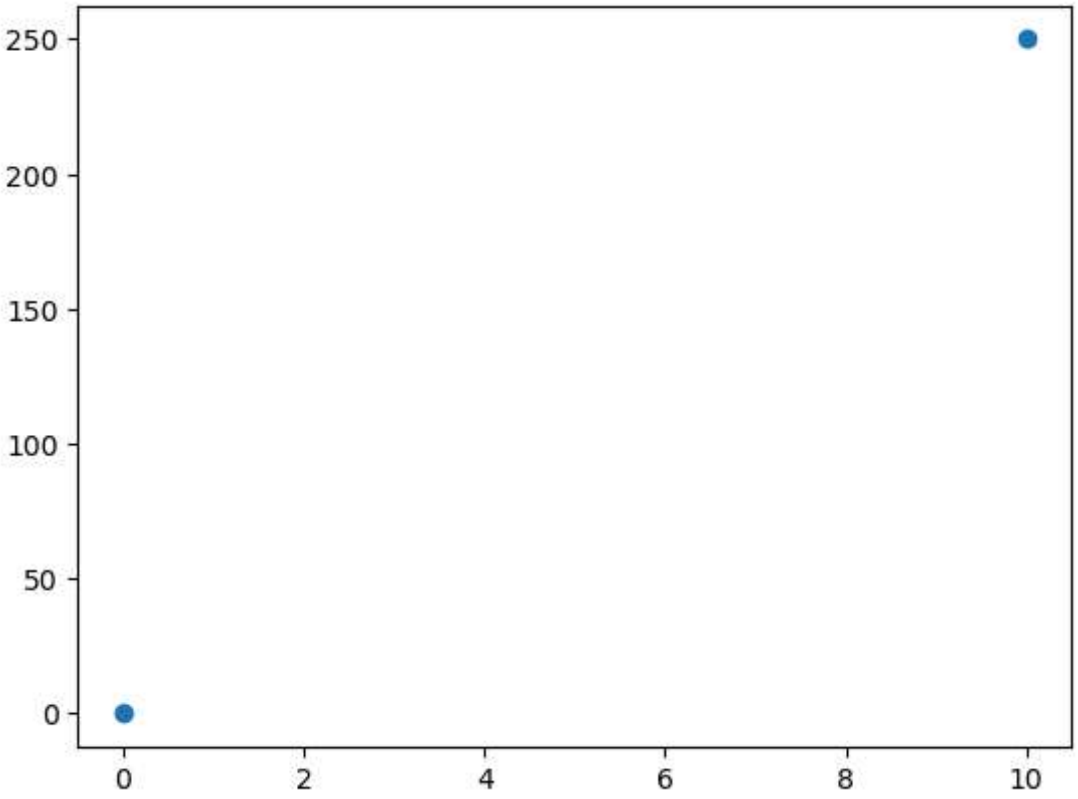
In [ ]:
```
# VIVEK-CHAUHAN-ADVANCED-DATA-ANALYTICS-PLOTTING-WITH-STYLES-PYPLOT
```

In [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

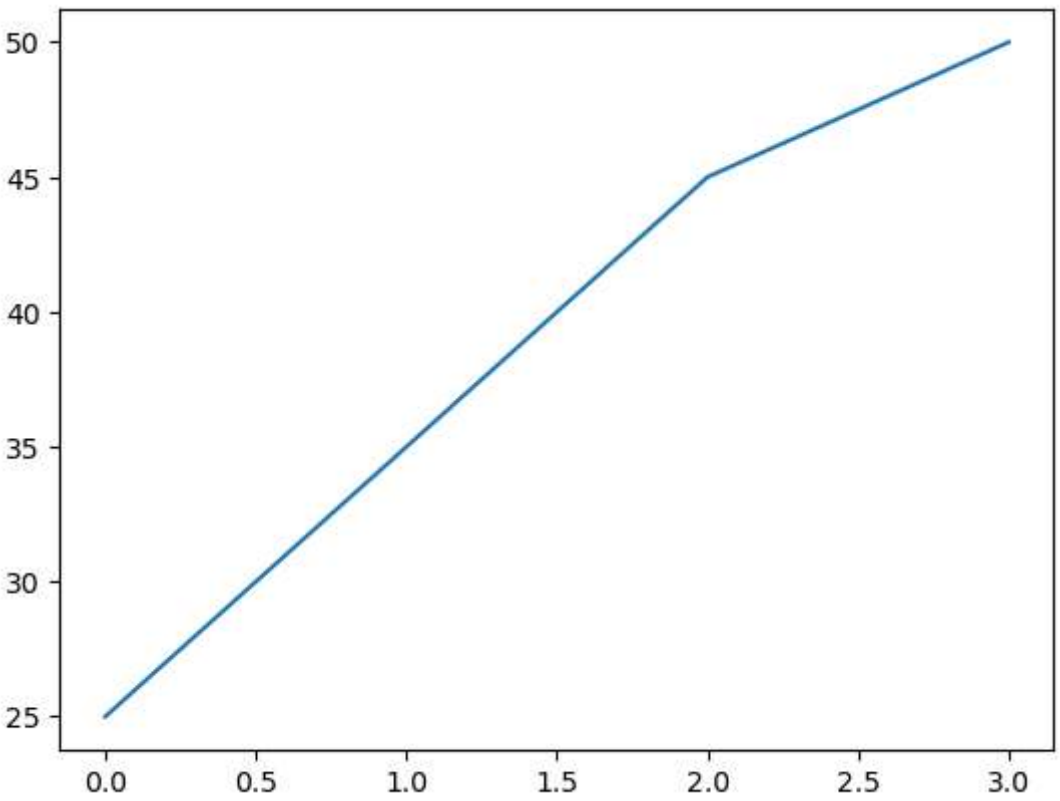
In [28]:
```
x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y) # here third one is marker it defines the starting and ending point
plt.show() # plt will be create line from the points by default
```



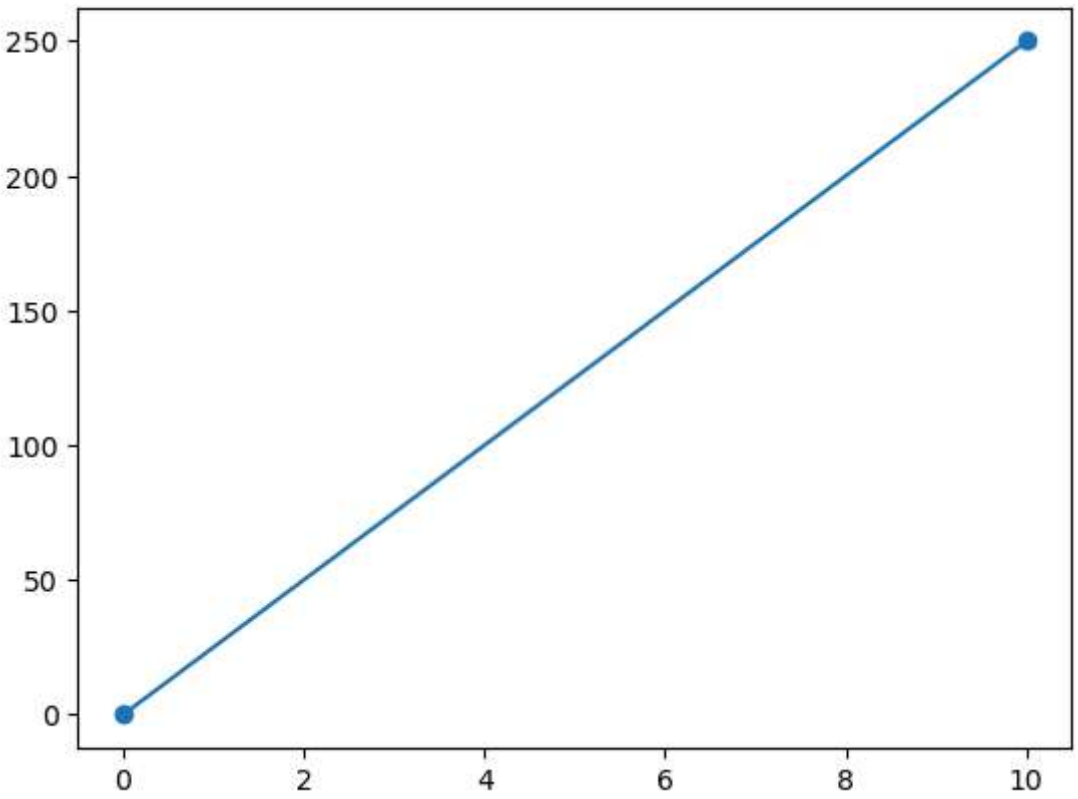
In [30]:
```
x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y,"o") # here third one is marker it defines the starting and ending poi
plt.show() # plt will be create line from the points by default but we mention that
```



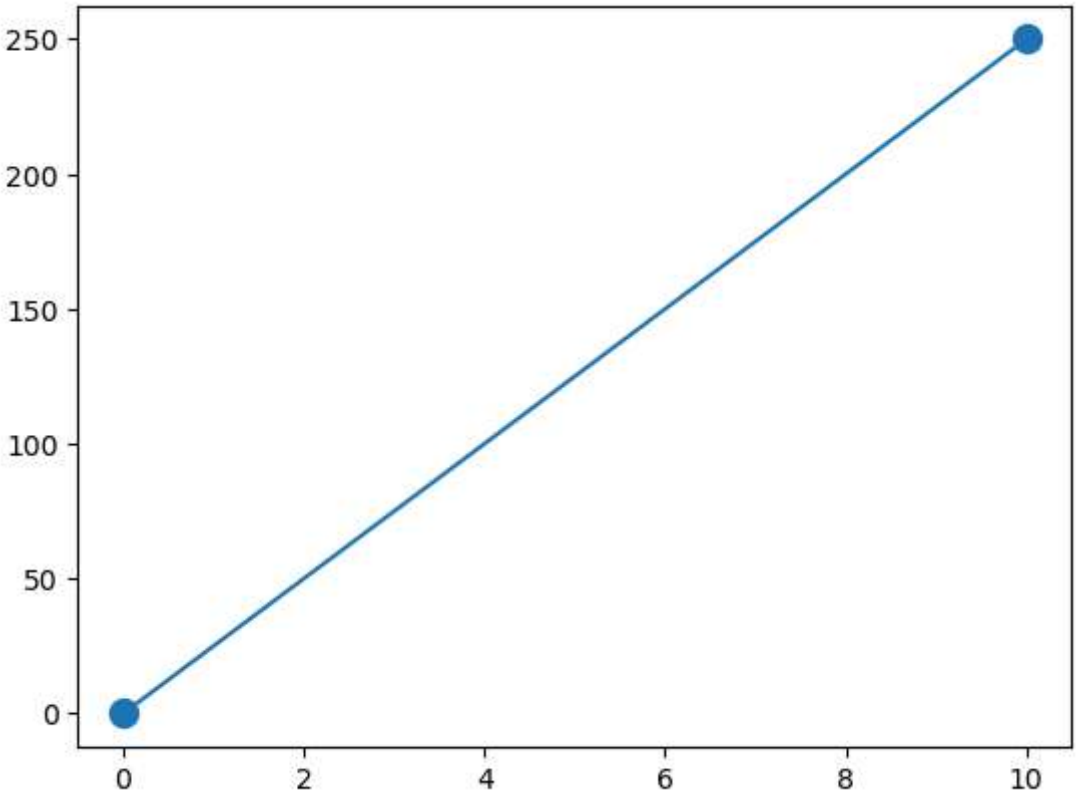
In [34]:
```
# default values for the x points

y = np.array([25,35,45,50])
plt.plot(y) # if we not specify the x values or points then plot will default use 0
plt.show()
```



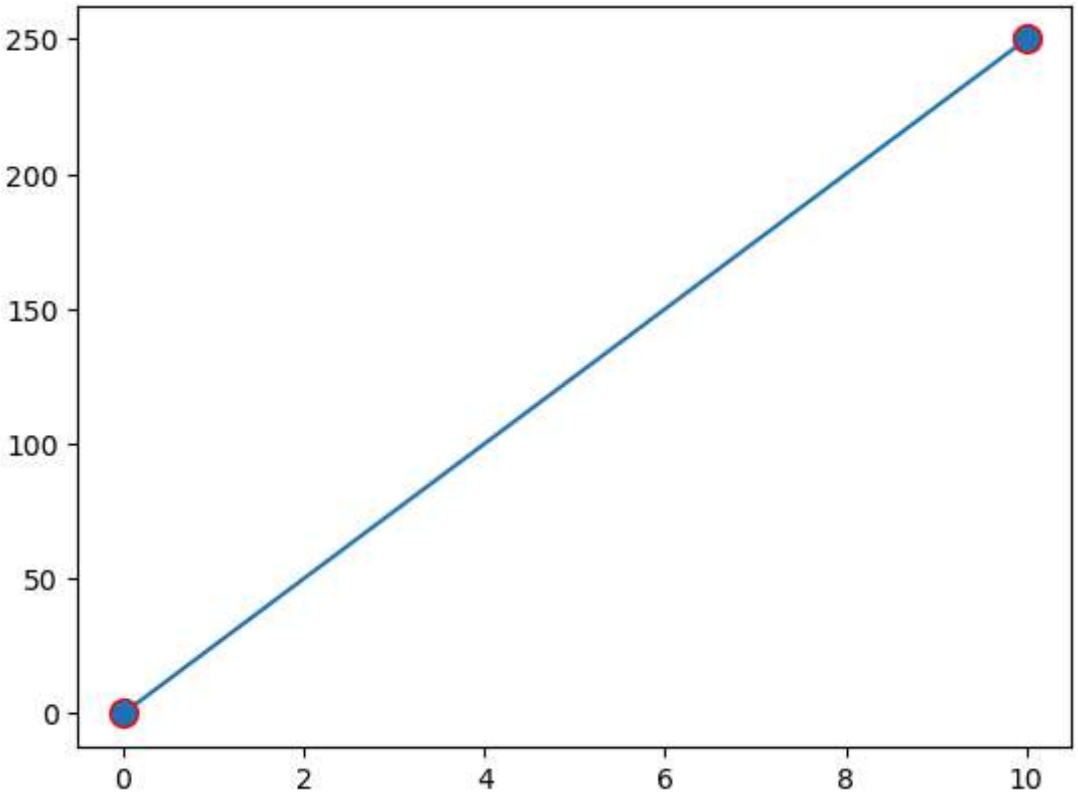
In [40]:
```
# marker use to highlight the starting and ending point

x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y,marker = "o") # here third one is marker it defines the starting and e
plt.show() # plt will be create line from the points by default but we mention that
```



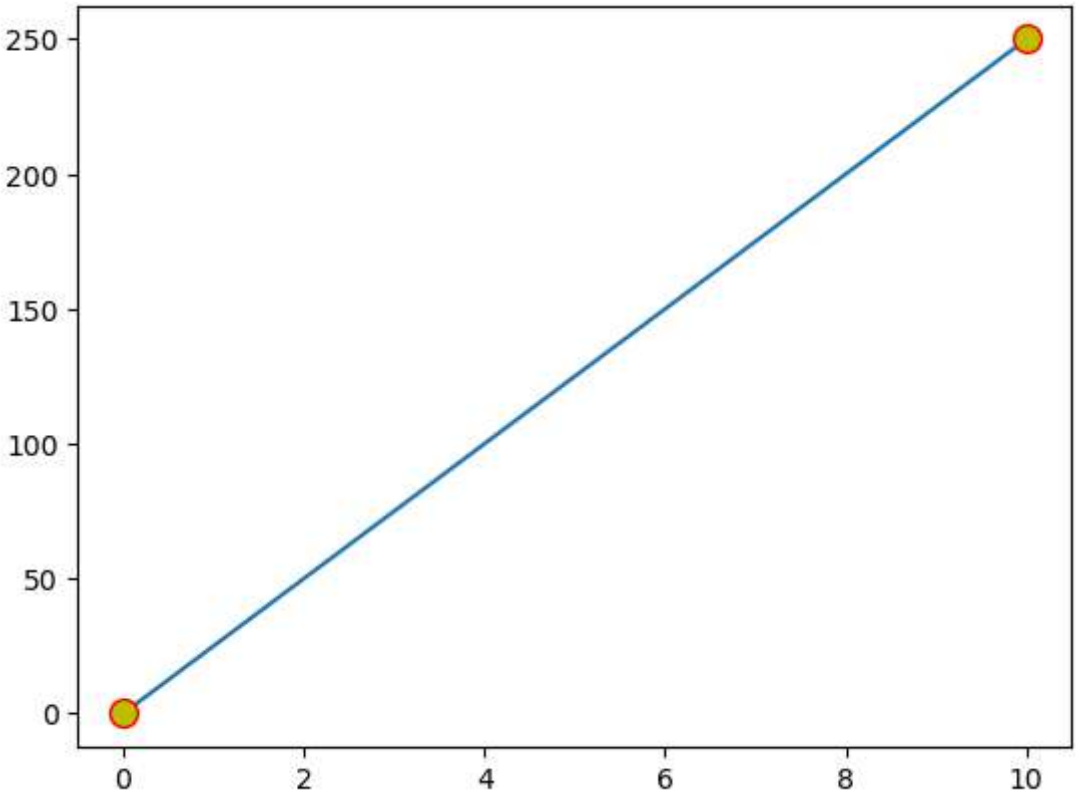
In [44]:
```
# we can change the size of the marker like ms = something

x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y,marker = "o",ms = 10) # here third one is marker it defines the starti
plt.show() # plt will be create line from the points by default but we mention that
```



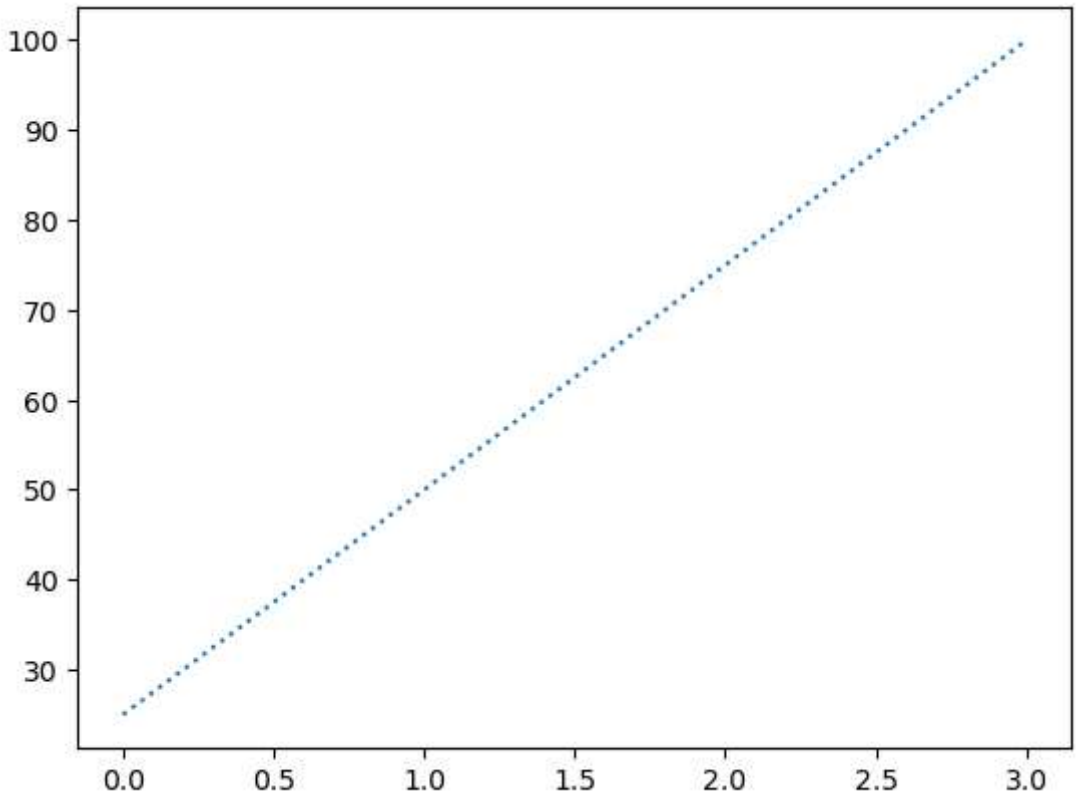
In [48]:
```
# we can also change the marker edge color by using mec = something

x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y,marker = "o",ms = 10,mec = "r") # here third one is marker it defines
plt.show() # plt will be create line from the points by default but we mention that
```



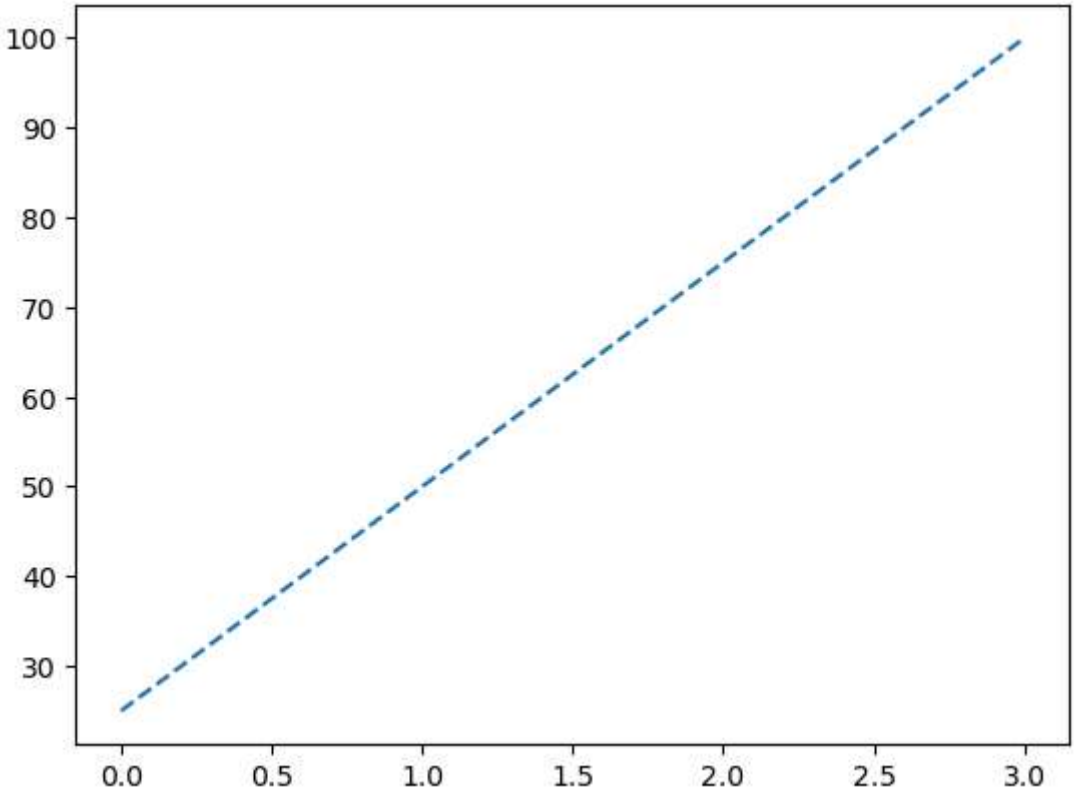
In [50]:
```
# we can change the color inside the circle by using marker face color mfc = someth

# we can also change the marker edge color by using mec = something

x = np.array([0,10])
y = np.array([0,250])
plt.plot(x,y,marker = "o",ms = 10,mec = "r",mfc = "y") # here third one is marker i
plt.show() # plt will be create line from the points by default but we mention that
```



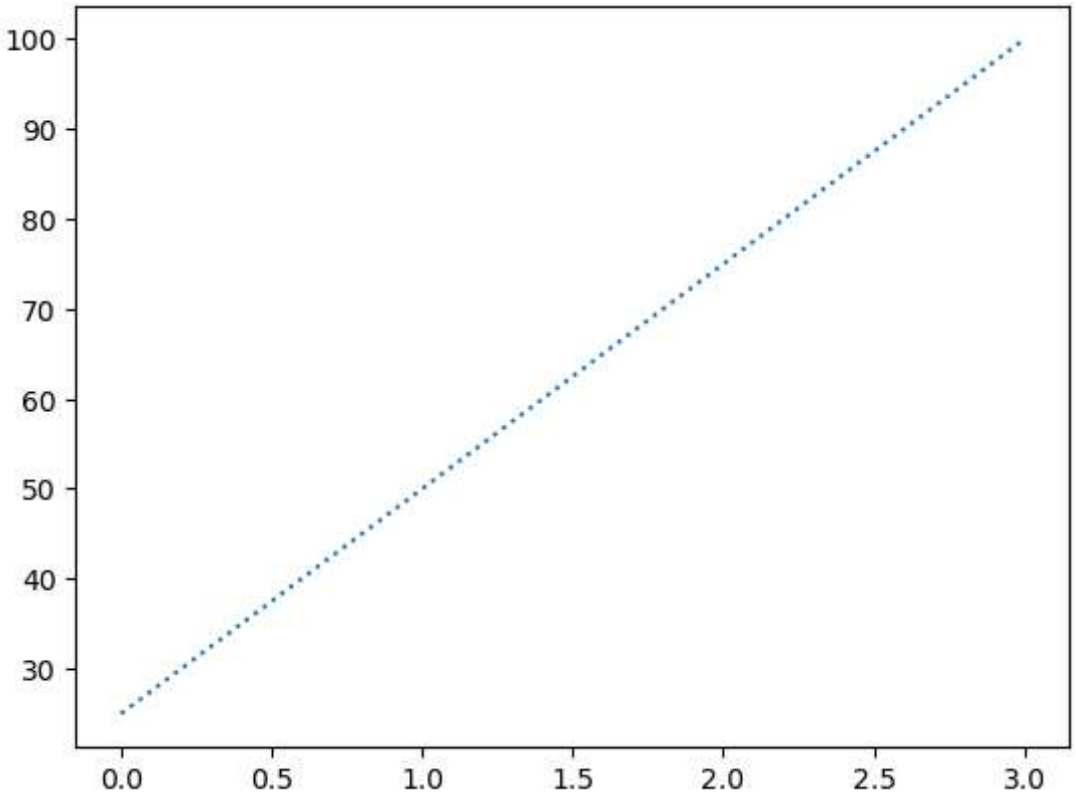
In [7]:
```
#dotted array

a = np.array([25,50,75,100])
plt.plot(a,linestyle = "dotted")# if you want to dotted line then use linestyle = w
plt.show()
```



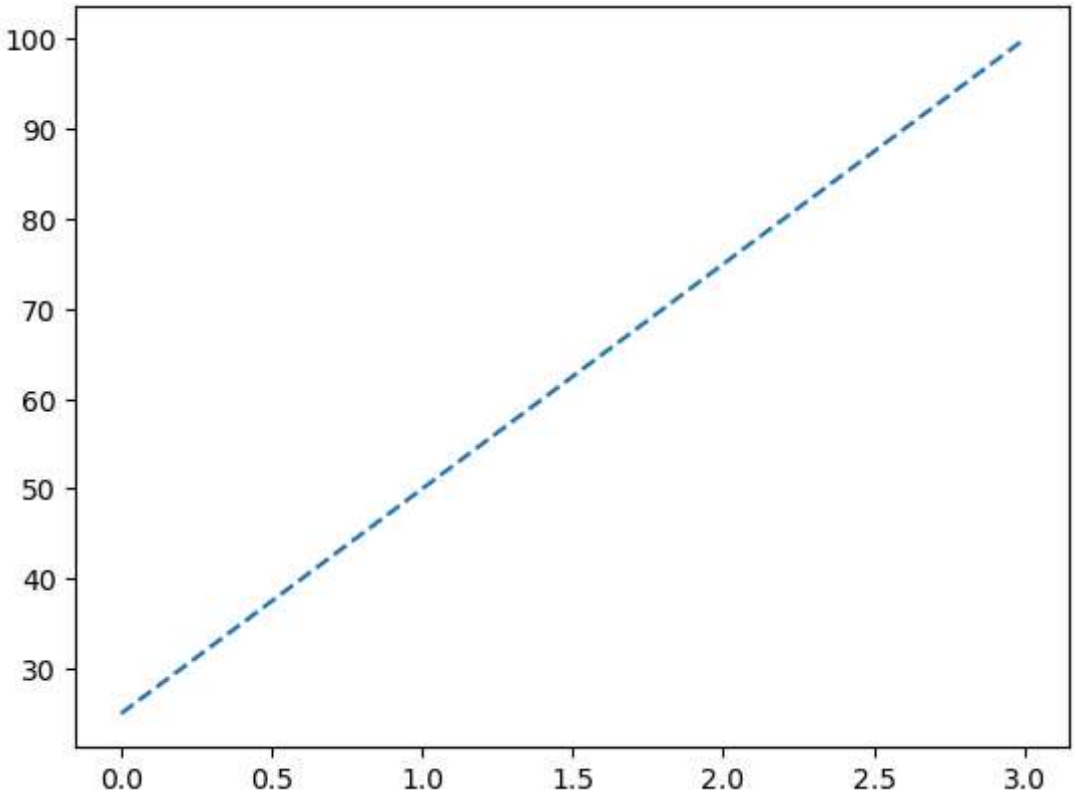
In [9]:
```
#dotted array

a = np.array([25,50,75,100])
plt.plot(a,linestyle = "dashed")# if you want to dotted line then use linestyle = w
plt.show()
```



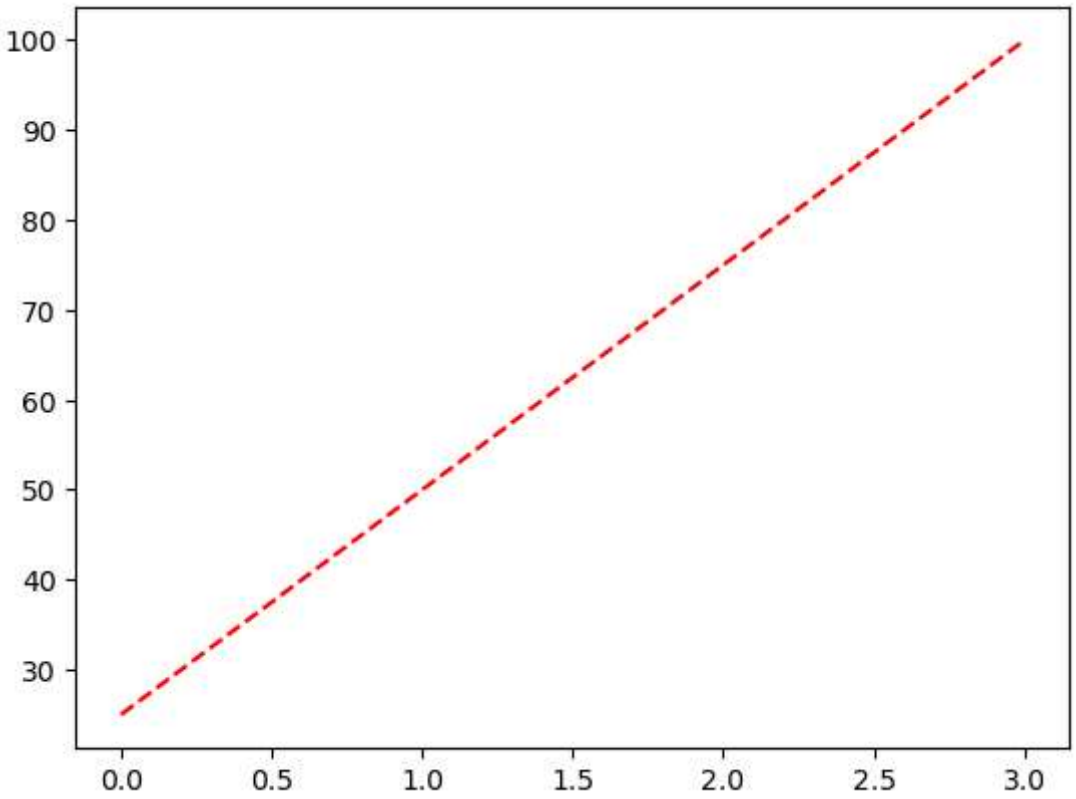
In [13]:
```
# we can give short-names as linestyle like ls = whatever shape
# shape can be give as the short-names

a = np.array([25,50,75,100])
plt.plot(a,linestyle = ":") #":" is used for dotted lines.
plt.show()
```



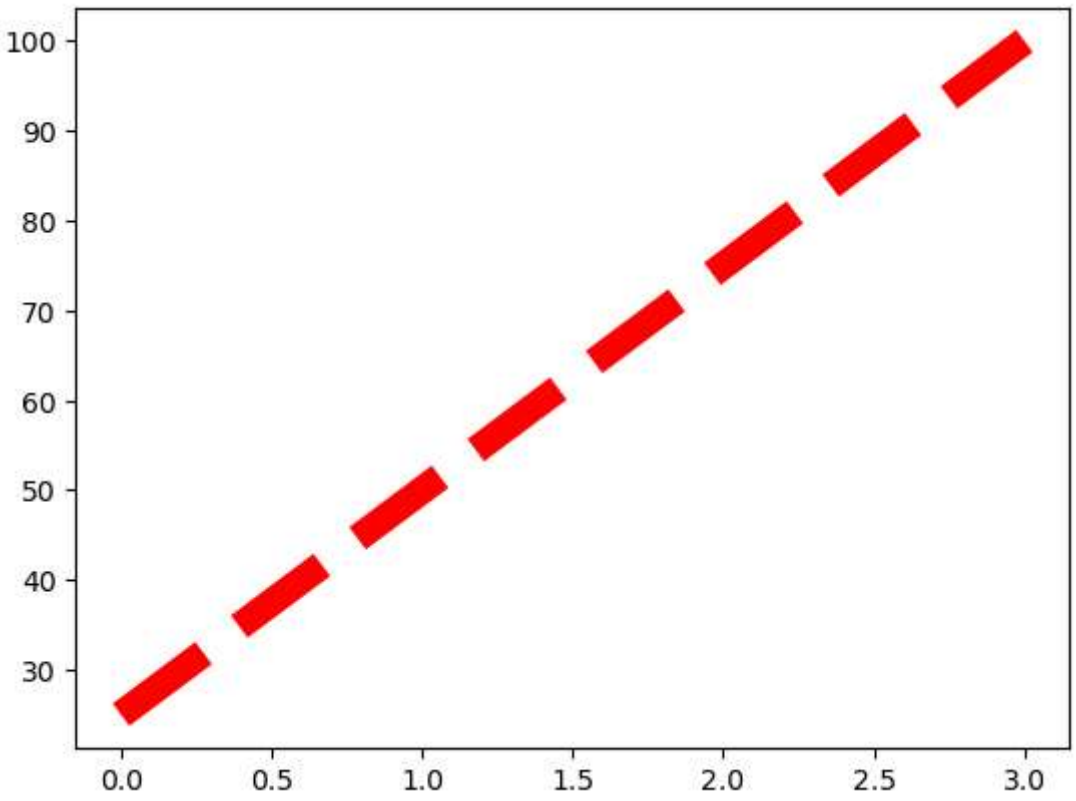
In [17]:
```
# we can give short-names as linestyle like ls = whatever shape
# shape can be give as the short-names

a = np.array([25,50,75,100])
plt.plot(a,linestyle = "--") #":" is used for dashed lines.
plt.show()
```



In [19]:
```
# for line color you can use color keyword or shortkeyword c = whatever color

a = np.array([25,50,75,100])
plt.plot(a,linestyle = "--",c="r") #":" is used for dashed lines. # c is line color
plt.show()
```



In [21]:
```
# for line color you can use color keyword or shortkeyword c = whatever color
# for line width we can use linewidth keyword or shortkeyword like lw = number.

a = np.array([25,50,75,100])
plt.plot(a,linestyle = "--",c="r",lw = 10) #":" is used for dashed lines. # c is li
plt.show()
```



In [ ]: