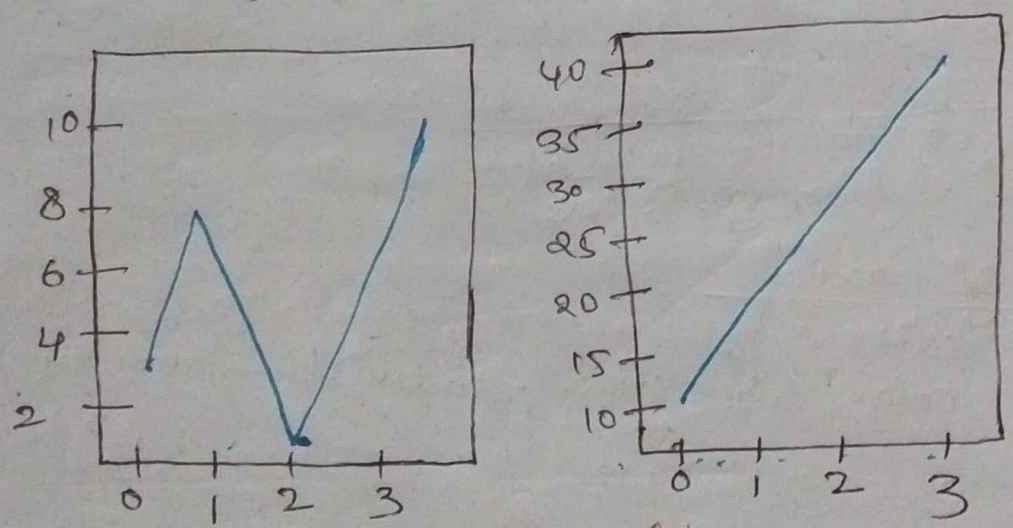
Matplotlib Subplots

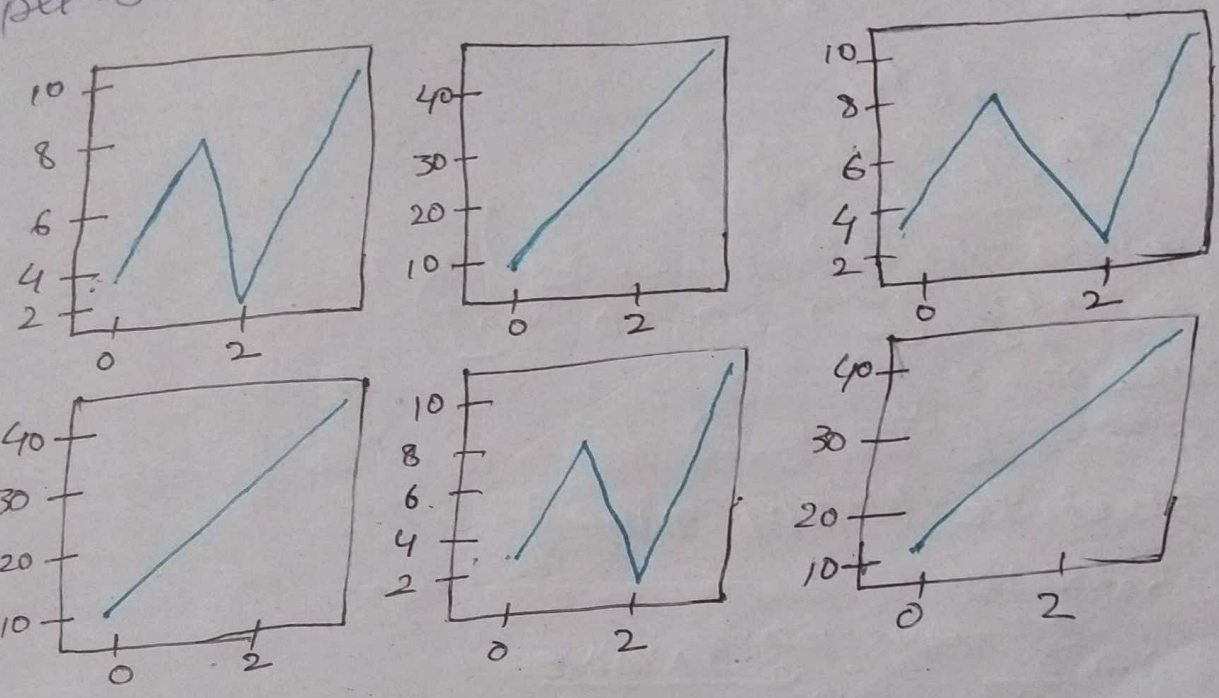
```
x = np.array([0, 1, 2, 3])
y = np.array([3, 8, 1, 10])
plt.subplot(1, 2, 1)
plt.plot(x, y)
x = np.array([0, 1, 2, 3])
y = np.array([10, 20, 30, 40])
plt.subplot(1, 2, 2)
plt.plot(x, y)
plt.show()
```



The Subplots( ) Function

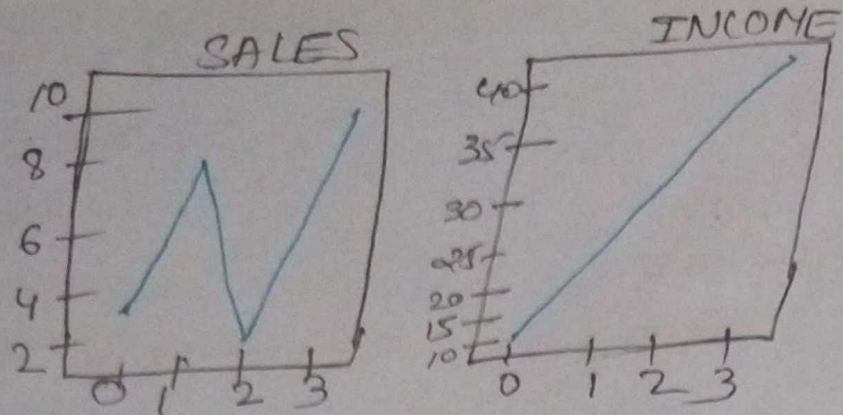
```
x = np.array([0, 1, 2, 3])
y = np.array([3, 8, 1, 10])
plt.subplot(2, 3, 1)
plt.plot(x, y)
x = np.array([0, 1, 2, 3])
y = np.array([10, 20, 30, 40])
plt.subplot(2, 3, 2)
plt.plot(x, y)
x = np.array([0, 1, 2, 3])
y = np.array([10, 20, 30, 40])
```

```
plt.subplot(2,3,3)
plt.plot(x,y)
x = np.array([0,1,2,3])
y = np.array([10,20,30,40])
plt.subplot(2,3,4)
plt.plot(x,y)
x = np.array([0,1,2,3])
y = np.array([10,20,30,40])
plt.subplot(2,3,6)
plt.plot(x,y)
plt.show()
```



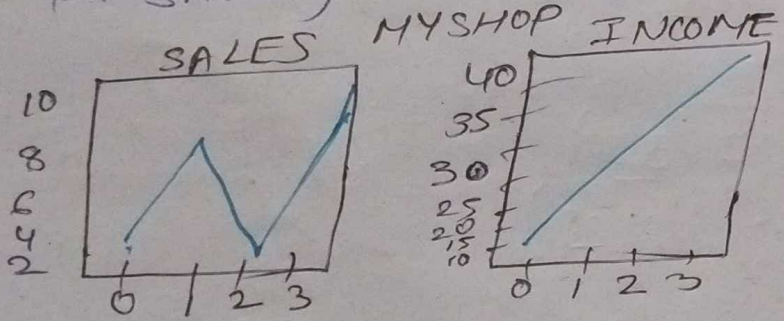
Title

```
x = np.array([0,1,2,3])
y = np.array([3,8,1,10])
plt.subplot(1,2,1)
plt.plot(x,y)
plt.title("SALES")
x = np.array([0,1,2,3])
y = np.array([10,20,30,40])
plt.subplot(1,2,2)
plt.plot(x,y)
plt.title("INCOME")
plt.show()
```



Super Title

```
x=np.array([0,1,2,3])
y=np.array([3,8,1,10])
plt.subplot(1,2,1)
plt.plot(x,y)
plt.title("SALES")
x=np.array([0,1,2,3])
y=np.array([10,20,30,40])
plt.subplot(x,y)
plt.title("INCOME")
plt.suptitle("MY SHOP")
plt.show()
```



Matplotlib Scatter

```
x=np.array([5,7,8,7,2,17,2,9,4,11,12,9,6])
y=np.array([99,86,87,88,111,86,103,87,94,78,77,
            85,86])
plt.scatter(x,y)
plt.show()
```