In [1]:

```
# MatplotLib

# install matplotlib in system =>  (pip install matplotlib) or (pip3 install matplotlib)
```

In [2]:

```
# import lib

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

In [3]:

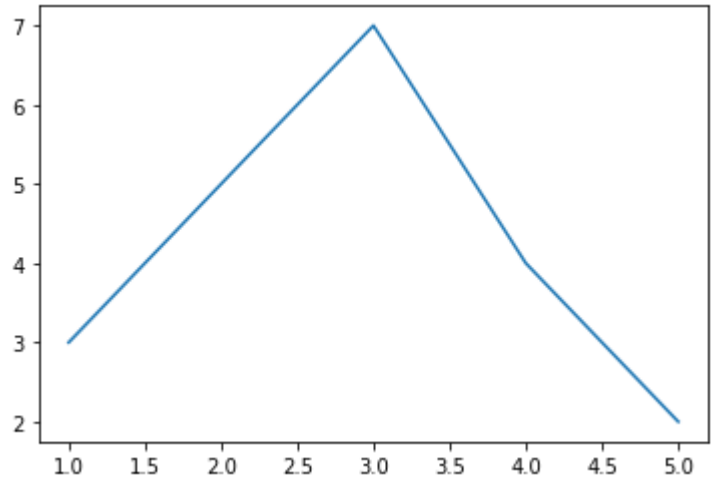
```
#pip install matplotlib  ==. use this cmd in cmd
```

...

In [6]:

```
# plt.plot([x-axis],[y-axis])

plt.plot([1,2,3,4,5],[3,5,7,4,2])
plt.show()
```



In [ ]:

```

```

In [ ]:

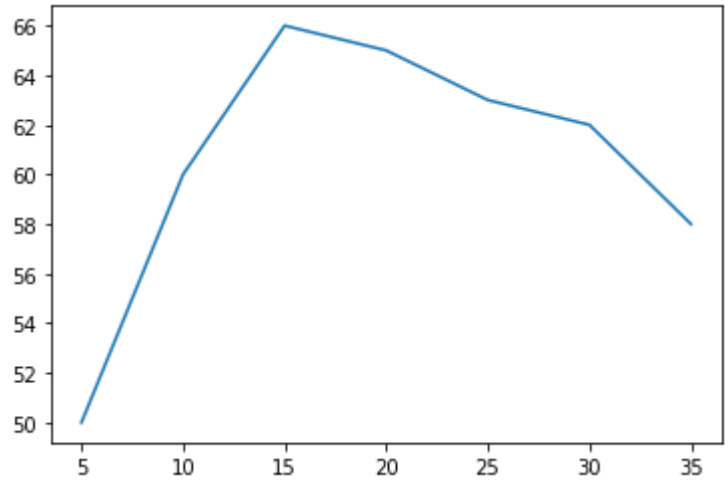
```

```

In [7]:

```
# X,Y
x = [5,10,15,20,25,30,35]
y = [50,60,66,65,63,62,58]

plt.plot(x,y)
plt.show()
```



In [ ]:

```

```

In [ ]:

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```

In [12]:

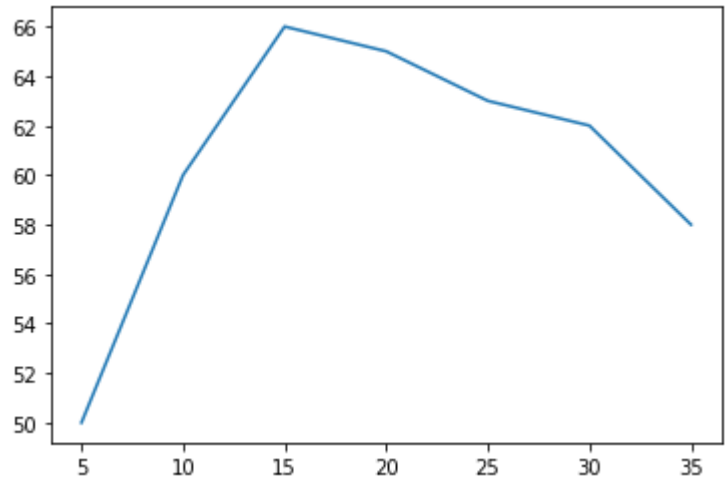
```
# Two Data sets

x1 = [5,10,15,20,25,30,35]
y1 = [50,60,66,65,63,62,58]

x2 = [3,6,9,12,15,18,21,26]
y2 = [30,36,42,45,41,38,36,31]
```

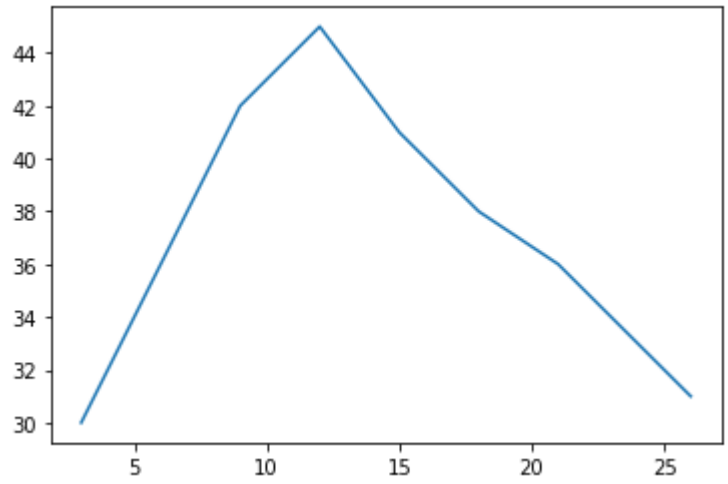
In [13]:

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



In [14]:

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



In [ ]:

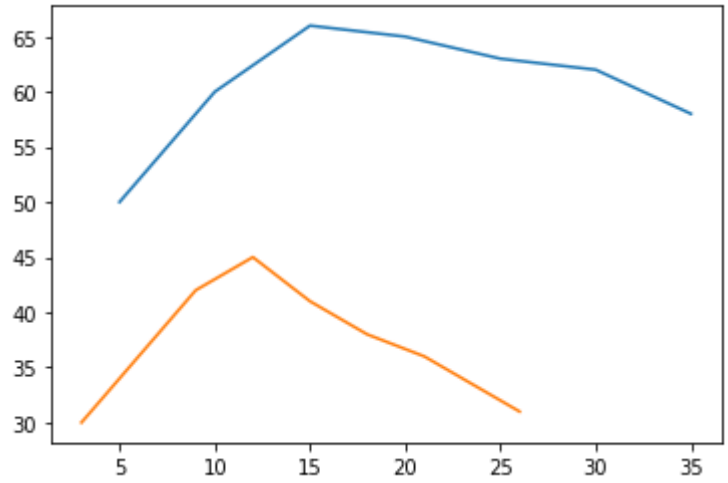
```

```

In [15]:

```
# Both dataset in single graph

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



In [ ]:

```

```

In [ ]:

```

```

In [16]:

```
# Three Data sets

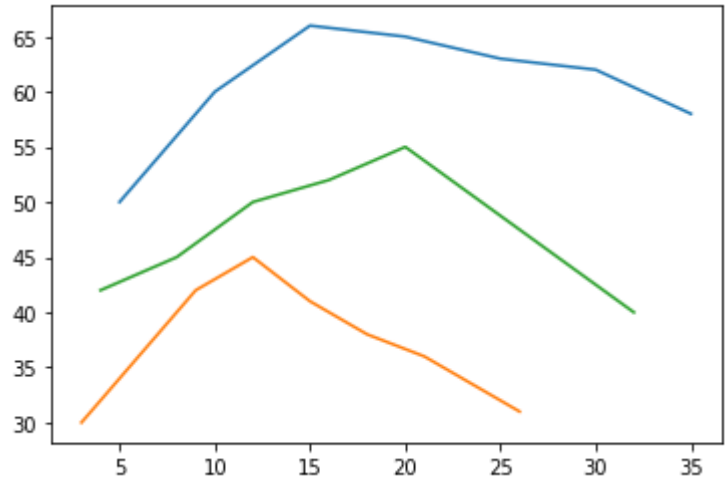
x1 = [5,10,15,20,25,30,35]
y1 = [50,60,66,65,63,62,58]

x2 = [3,6,9,12,15,18,21,26]
y2 = [30,36,42,45,41,38,36,31]

x3 = [4,8,12,16,20,24,28,32]
y3 = [42,45,50,52,55,50,45,40]
```

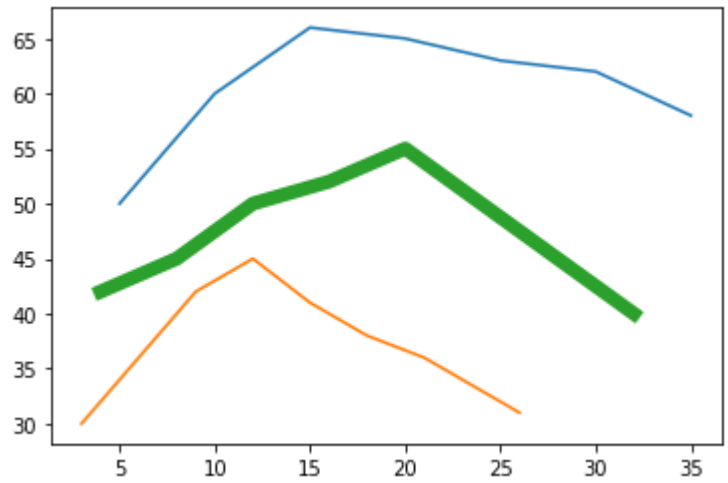
In [17]:

```
plt.plot(x1,y1)
plt.plot(x2,y2)
plt.plot(x3,y3)
plt.show()
```



In [19]:

```
plt.plot(x1,y1)
plt.plot(x2,y2)
plt.plot(x3,y3, linewidth=7)
plt.show()
```



In [ ]:

```

```

In [20]:

```
plt.plot(x1,y1)
plt.plot(x2,y2)
plt.plot(x3,y3, linewidth=7)

plt.title("Company Status")
plt.xlabel('Hours')
plt.ylabel('Age')
plt.show()
```