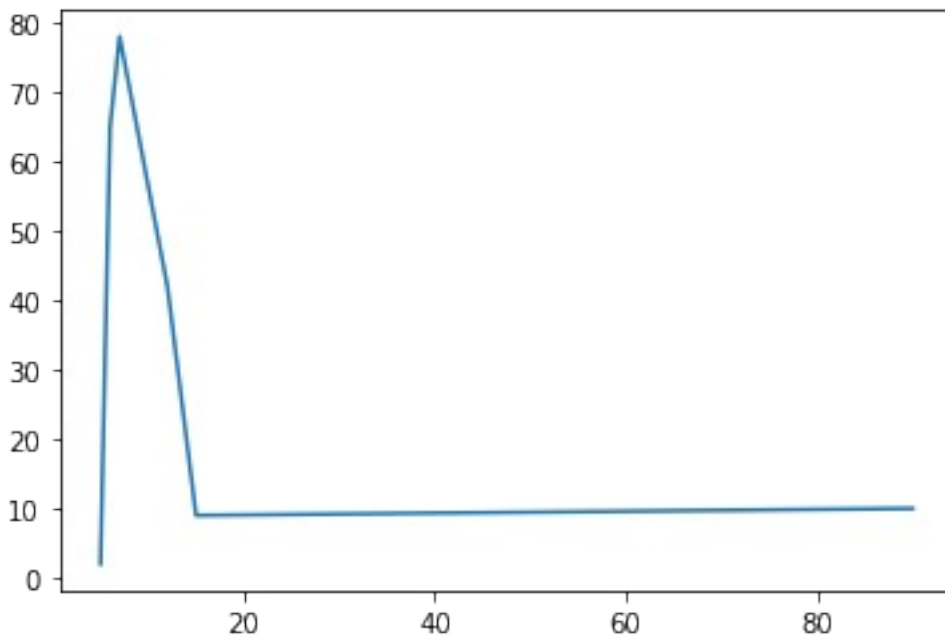```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

x=np.array([5,6,7,12,15,90])
y=np.array([2,65,78,42,9,10])

plt.plot(x,y)
```
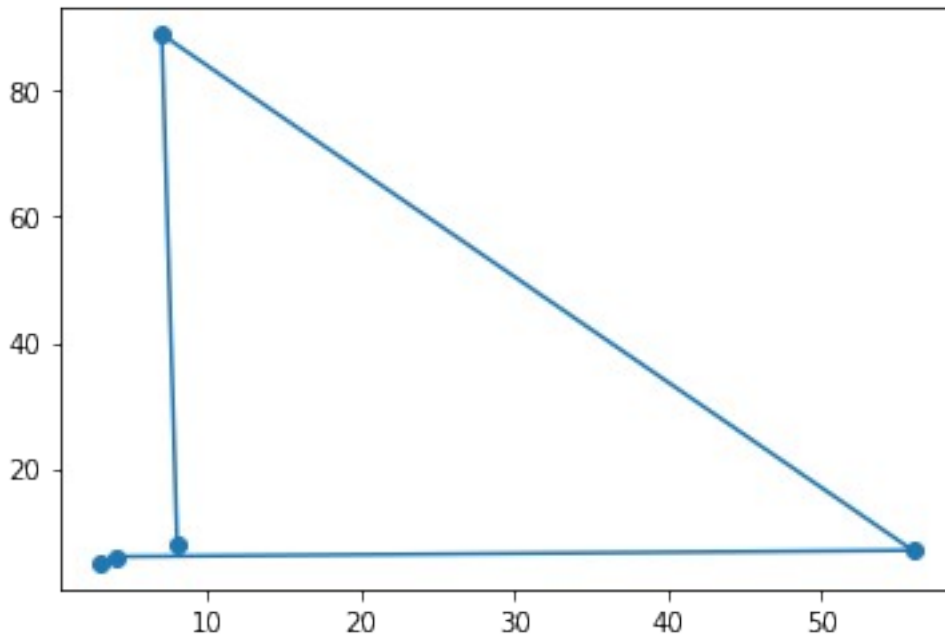
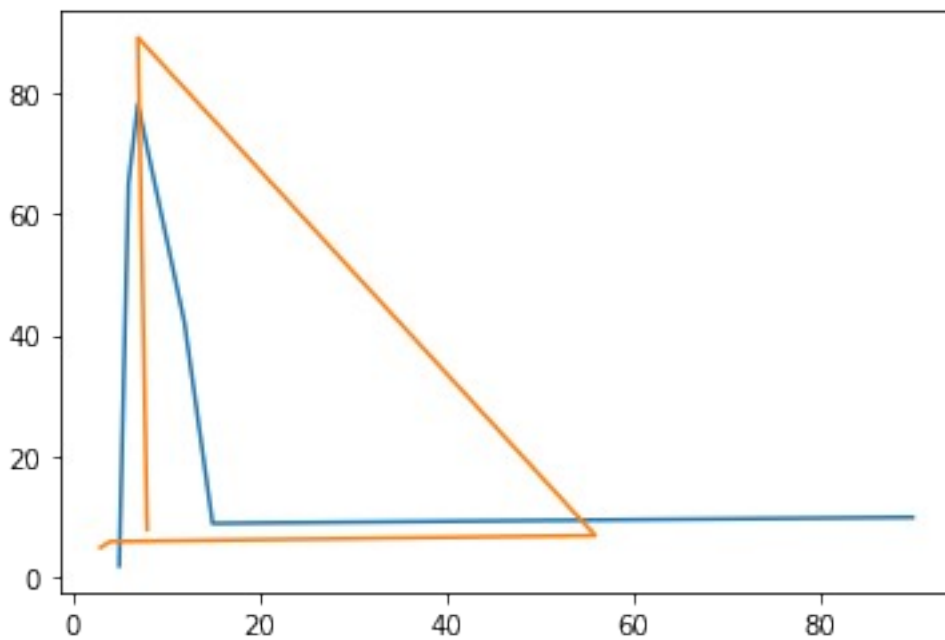[<matplotlib.lines.Line2D at 0x1d57236b250>]



```
x1=np.array([3,4,56,7,8])
y1=np.array([5,6,7,89,8])
#plt.plot(x1,y1,"o")
plt.plot(x1,y1,marker="o")
```

[<matplotlib.lines.Line2D at 0x1d572466490>]

```
plt.plot(x,y,x1,y1)
```

```
[<matplotlib.lines.Line2D at 0x1d5724c7580>,
 <matplotlib.lines.Line2D at 0x1d5724c75e0>]
```
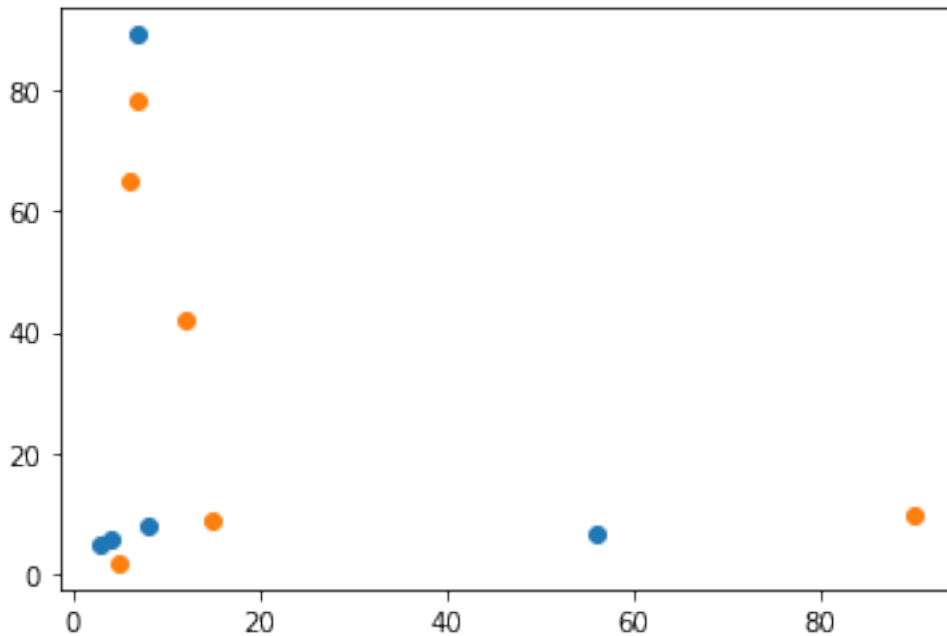


```
plt.plot(x1,y1,"o",x,y,"o")
```
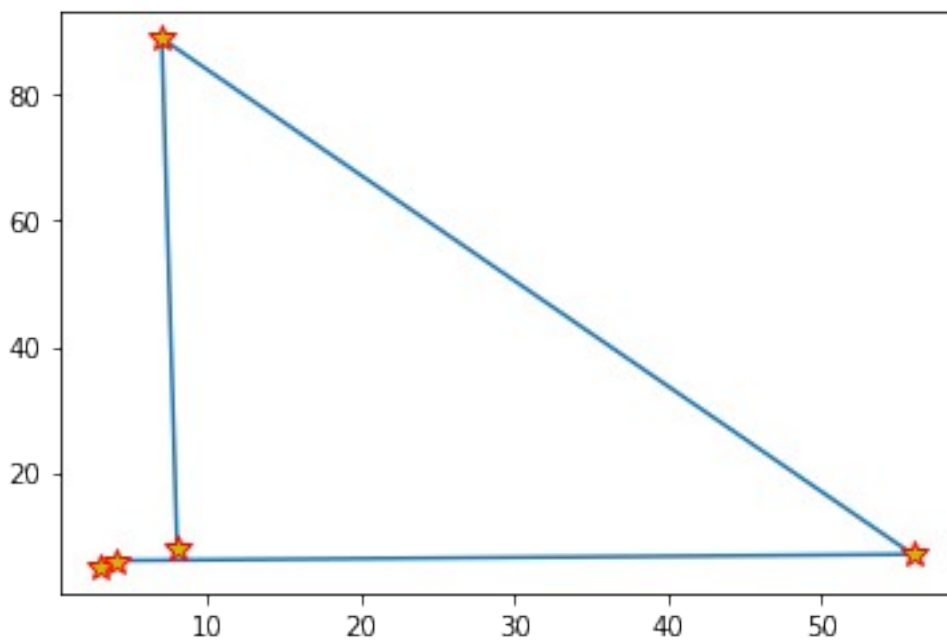
```
[<matplotlib.lines.Line2D at 0x1d57252b040>,
 <matplotlib.lines.Line2D at 0x1d57252b130>]
```
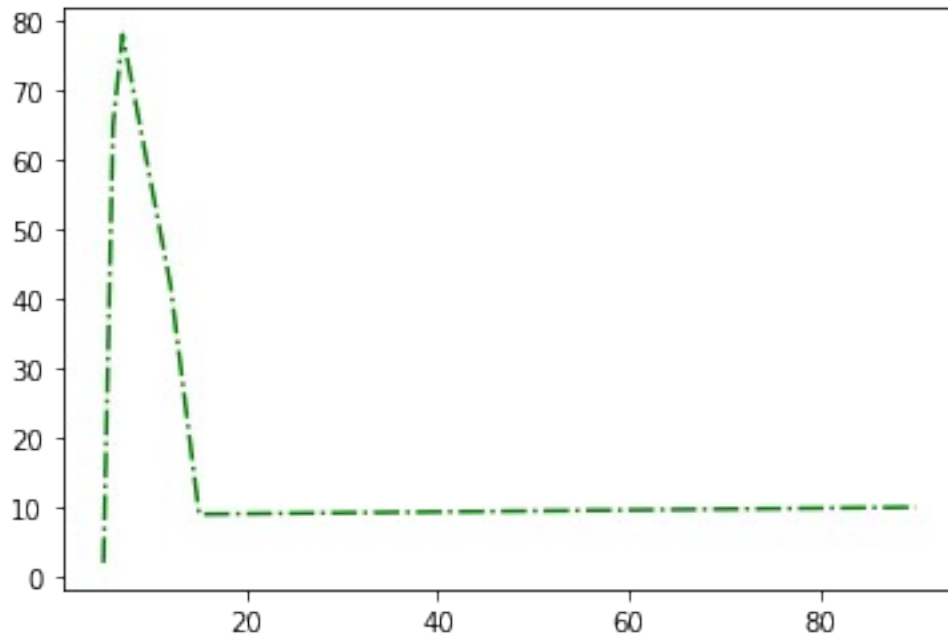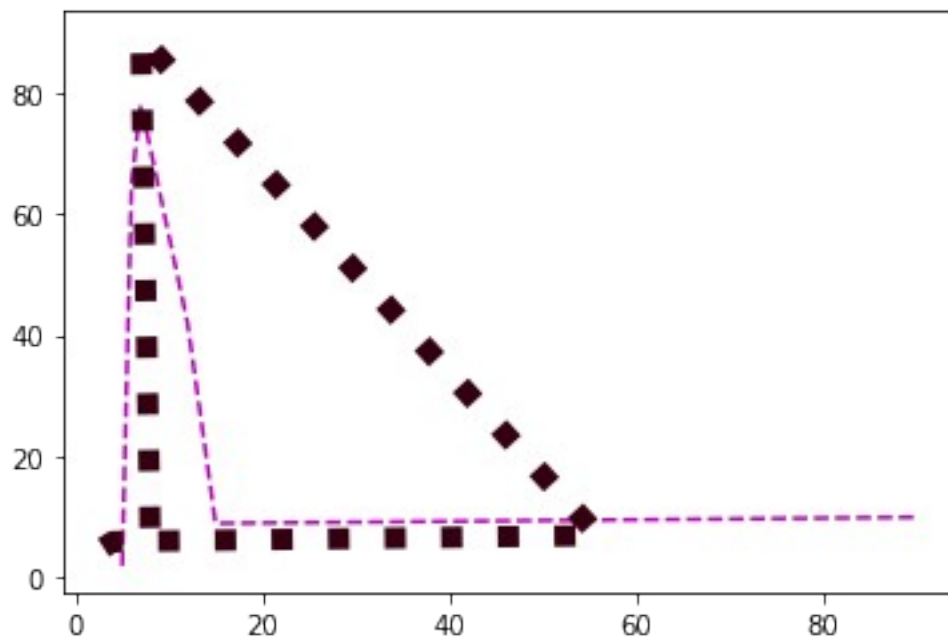
```
plt.plot(x1,y1,marker="*",ms=10,mec="r",mfc="y") #markerfillcolor(mfc)
[<matplotlib.lines.Line2D at 0x1d572585ac0>]
```



```
plt.plot(x,y,linestyle='dashdot',color="g") #to styleline
[<matplotlib.lines.Line2D at 0x1d5725e2a60>]
```

```
plt.plot(x,y,linestyle='dashed',color='m')
plt.plot(x1,y1,linestyle='dotted',color='#340012',linewidth=8)

[<matplotlib.lines.Line2D at 0x1d57264c8e0>]
```



```
font={'size':15,'color':"b"}
plt.xlabel("x-axis")
plt.ylabel("y-axis")
plt.title("demo chart",fontdict=font,loc='left')
```

```
plt.plot(x,y,linestyle='dashed',color='m')
plt.grid()#gives gripd line to your graph
```
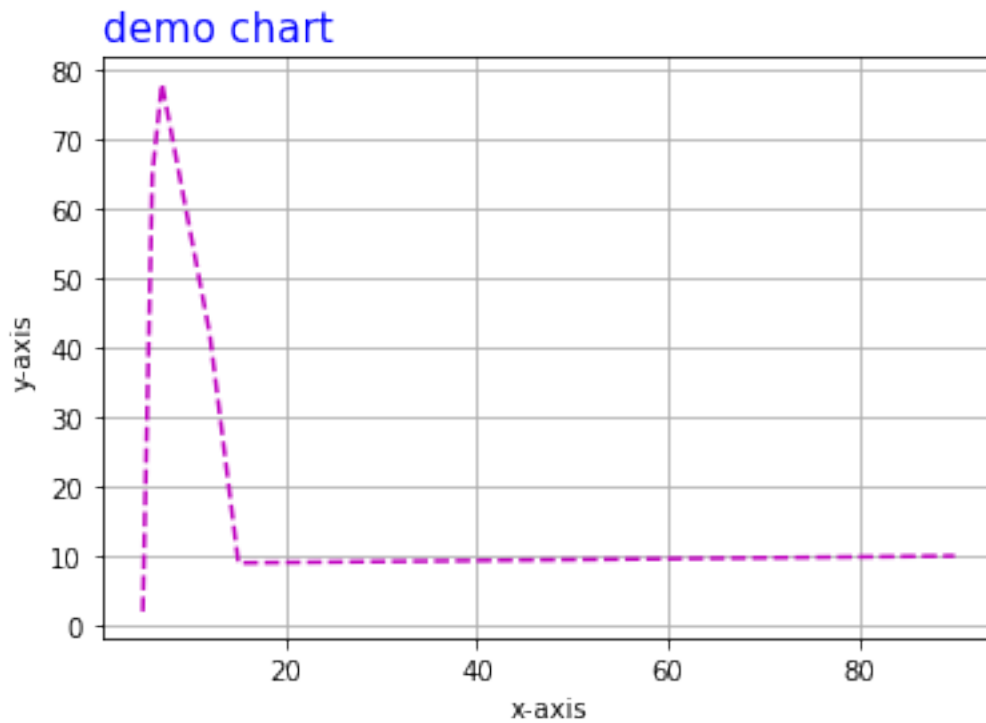


```
plt.plot(x,y,linestyle='dashed',color='m')
plt.grid(axis='x',linestyle='-.',color='b')
```

```
plt.subplot(1,2,1)
plt.title("d1")
plt.plot(x,y)
plt.subplot(1,2,2)
plt.title("d2")
plt.plot(x1,y1)
plt.suptitle("super title")
```
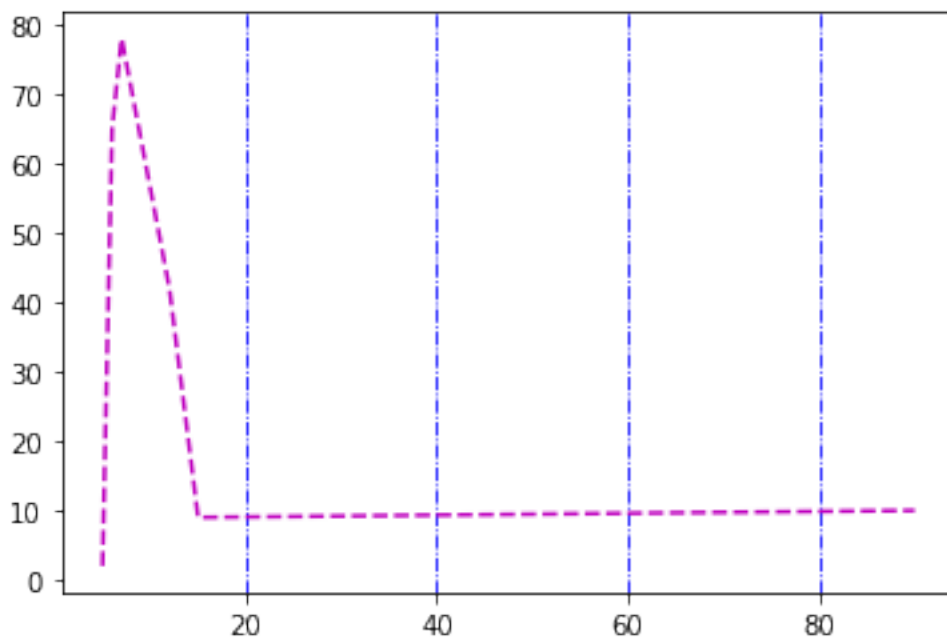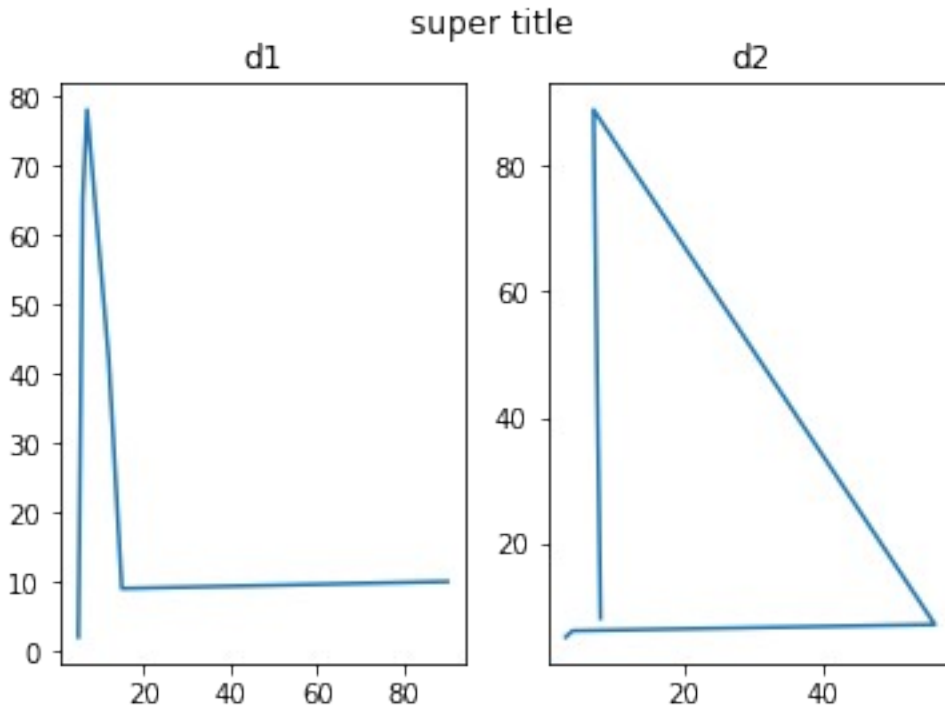
```
Text(0.5, 0.98, 'super title')
```



```
std=pd.read_csv("student.csv")
print(std)
```

```
      id        name   class  mark  gender
0      1    John Deo    Four    75  female
1      2    Max Ruin   Three    85    male
2      3      Arnold   Three    55    male
3      4  Krish Star    Four    60  female
4      5   John Mike    Four    60  female
5      6   Alex John    Four    55    male
6      7  My John Rob  Fifth    78    male
7      8      Asruid    Five    85    male
8      9     Tes Qry     Six    78    male
9     10    Big John    Four    55  female
10    11      Ronald     Six    89  female
11    12       Recky     Six    94  female
12    13         Kty   Seven    88  female
```

```
13  14      Bigy     Seven    88   female
14  15   Tade Row     Four     88     male
15  16     Gimmy      Four     88     male
16  17     Tumyu       Six     54     male
17  18     Honny      Five     75     male
18  19     Tinny      Nine     18     male
19  20    Jackly      Nine     65   female
20  21  Babby John    Four     69   female
21  22    Reggid     Seven     55   female
22  23     Herod     Eight     79     male
23  24  Tiddy Now    Seven     78     male
24  25   Giff Tow    Seven     88     male
25  26    Crelea     Seven     79     male
26  27   Big Nose    Three     81   female
27  28   Rojj Base   Seven     86   female
28  29  Tess Played  Seven     55     male
29  30   Reppy Red     Six     79   female
30  31  Marry Toeey   Four     88     male
31  32   Binn Rott   Seven     90   female
32  33   Kenn Rein     Six     96   female
33  34   Gain Toe    Seven     69     male
34  35   Rows Noump    Six     88   female
```

```python
std.plot(kind='scatter',x='name',y='mark')
```
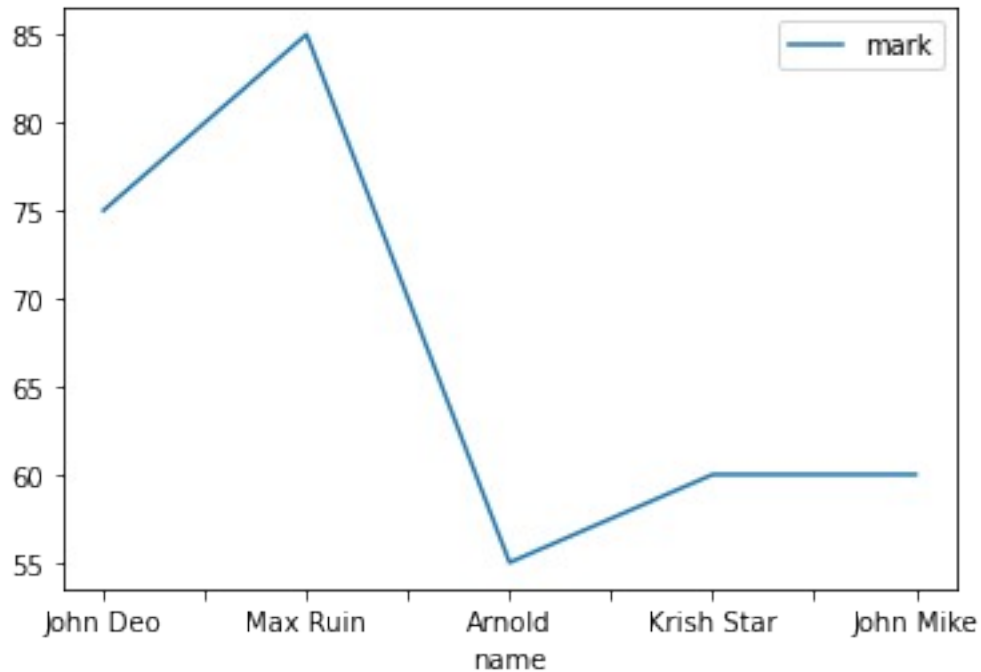
```
<AxesSubplot:xlabel='name', ylabel='mark'>
```
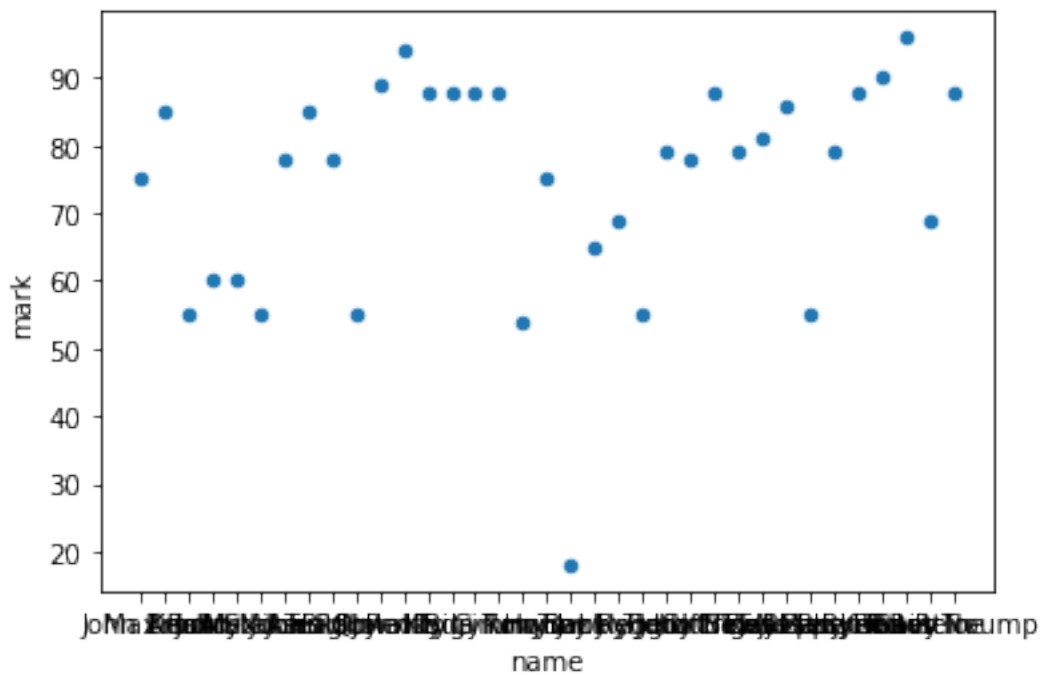
```
std_new=std.head()
std_new.plot(x='name',y='mark')
```

```
<AxesSubplot:xlabel='name'>
```



```
std_new.plot(x='name',y='mark',linestyle='dashed',color='m')
plt.grid()
```