```
#Vivek More

import numpy as np
import matplotlib.pyplot as plt
from scipy.stats import pearsonr
x=7,8,9,11,15,20
y=130,135,140,142,147,156
corr,_=pearsonr(x,y)
print('Pearsons Correlation: %.3f'%corr)
plt.scatter(x,y)
plt.plot(np.unique (x), np.poly1d (np.polyfit(x,y,1))(np.unique(x)), color ='blue')
```
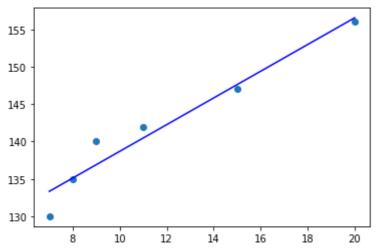
Pearsons Correlation: 0.971
[<matplotlib.lines.Line2D at 0x7f225288de20>]