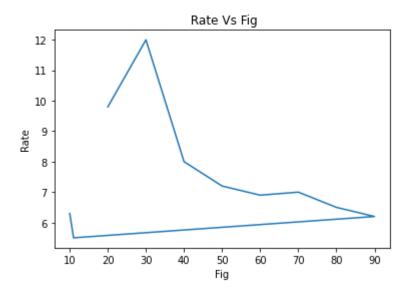
Matplotlib Importing matplotlib

```
import matplotlib.pyplot as plt
#import matplotlib in python
```

Simple line chart

```
fig = [20,30,40,50,60,70,80,90,11,10]
Rate = [9.8,12,8,7.2,6.9,7,6.5,6.2,5.5,6.3]
plt.plot(fig, Rate)
plt.title(' Rate Vs Fig')
plt.xlabel('Fig')
plt.ylabel('Rate')
plt.show()
```



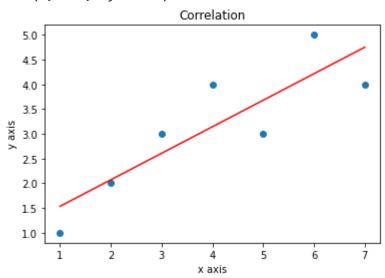
Correlation chart

```
import pandas as pd
y = pd.Series([1, 2, 3, 4, 3, 5, 4])
x = pd.Series([1, 2, 3, 4, 5, 6, 7])
correlation = y.corr(x)

# adds the title
plt.title('Correlation')

# plot the data
```

Text(0, 0.5, 'y axis')

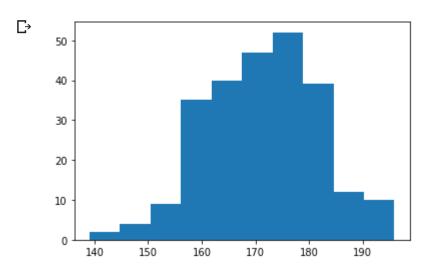


histogram

```
import numpy as np

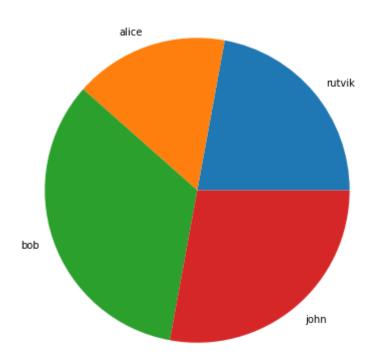
x = np.random.normal(170, 10, 250)

plt.hist(x)
plt.show()
```



Plotting of Multivariate data

plotting pi chart



✓ 0s completed at 3:27 PM

X