

Practical No 13

Roll No. 2049

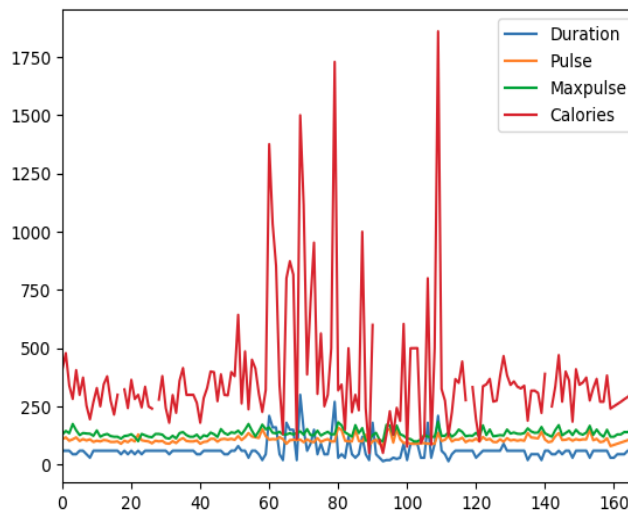
Q) Import pyplot from Matplotlib and visualize our DataFrame.

```
import sys
import matplotlib
matplotlib.use('Agg')
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_csv('data.csv')
```

```
df.plot()
plt.show()
plt.savefig(sys.stdout.buffer)
sys.stdout.flush()
```

Output:



❖ Scater Plotting

```
import sys
import matplotlib
matplotlib.use('Agg')
```

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

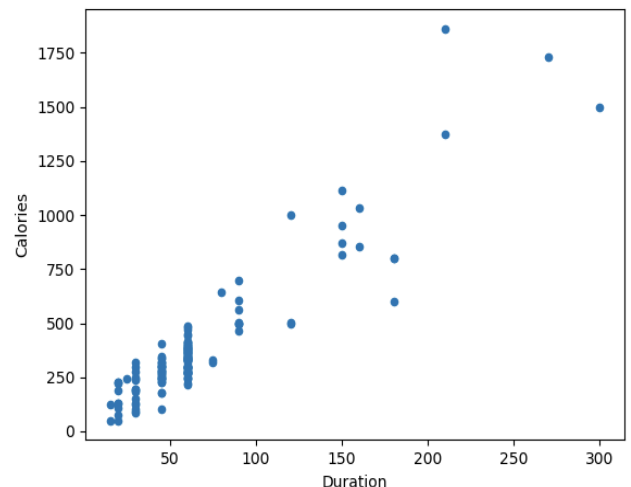
```
df = pd.read_csv('data.csv')
```

```
df.plot(kind = 'scatter', x = 'Duration', y = 'Calories')
```

```
plt.show()
```

```
plt.savefig(sys.stdout.buffer)
sys.stdout.flush()
```

Output:



❖ Histogram

```
import sys

import matplotlib

matplotlib.use('Agg')

import pandas as pd

import matplotlib.pyplot as plt

df = pd.read_csv('data.csv')

df["Duration"].plot(kind = 'hist')

plt.show()

plt.savefig(sys.stdout.buffer)

sys.stdout.flush()
```

Output:

