Import Library

```
import pandas as pd
from sklearn.linear_model import LinearRegression
```

Load Dataset from local directory

```
from google.colab import files
uploaded = files.upload()
```

```
Choose Files Student_Marks.csv
```

• Student_Marks.csv(text/csv) - 1615 bytes, last modified: 4/5/2023 - 100% done Saving Student_Marks.csv to Student_Marks.csv

Load Dataset

```
dataset = pd.read_csv('Student_Marks.csv')
```

Load Summarize

```
print(dataset.shape)
print(dataset.head(5))
(100, 3)
```

(100, 3)			
	number_courses	time_study	Marks
0	3	4.508	19.202
1	4	0.096	7.734
2	4	3.133	13.811
3	6	7.909	53.018
4	8	7.811	55.299

Finding & Removing NA values from our Features X

```
dataset.columns[dataset.isna().any()]
    Index([], dtype='object')

dataset.time_study = dataset.time_study.fillna(dataset.time_study.mean())
```

Segregate Dataset into X & Y

```
X = dataset.iloc[:, :-1].values
print(X.shape)
X
```

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