THE SPARKS FOUNDATION

DataScience and Business Analysis

Task1 = Pridection Using Supervised Machine Learning

To Predict the percentage of marks that a student is expected to score based upon the number of hours they studied.

Importing Libraties

```
In [18]: Import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
4 %matplotlib inline
```

Importing DataSet

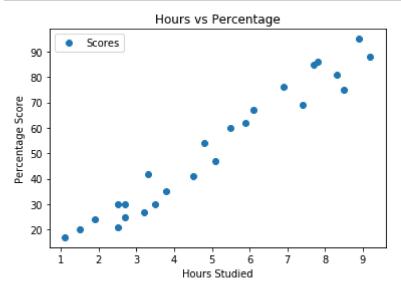
Data imported successfully

```
In [20]: ► dataset.head(10)
```

Out[20]:

	Hours	Scores
0	2.5	21
1	5.1	47
2	3.2	27
3	8.5	75
4	3.5	30
5	1.5	20
6	9.2	88
7	5.5	60
8	8.3	81
9	2.7	25

Data Visualization



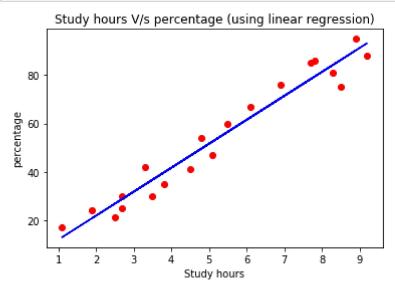
Preparing The Data

Now we have our attributes and labels, now split the data into training test sets. no we will do this by using Scikit-learn's buit-in train test split() method.

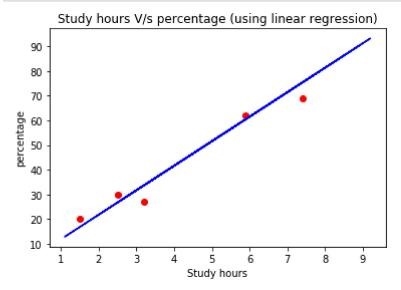
Training The Algorithm

We have to split our data into training and testing sets, and now is finally the time to train our algorithm

Visualising the Training set results



Visualising the Test set results



In [27]: ► 1 print('Thank YOU')

Thank YOU