

training set :

X Matrix (X\_train) :

```
[[ 11.22  43.13 1017.24  80.9 ]
 [ 13.67  54.3  1015.92  75.42]
 [ 32.84  77.95 1014.68  45.8 ]
 ...
 [ 16.81  38.52 1018.26  75.21]
 [ 12.8   41.16 1022.43  86.19]
 [ 32.32  67.9  1006.08  37.93]]
```

Y Vector (y\_train) :

```
[473.93 467.87 431.97 ... 459.01 462.72 428.12]
```

test set

X Matrix (X\_test) :

```
[[ 28.66  77.95 1009.56  69.07]
 [ 17.48  49.39 1021.51  84.53]
 [ 14.86  43.14 1019.21  99.14]
 ...
 [ 12.24  44.92 1023.74  88.21]
 [ 27.28  47.93 1003.46  59.22]
 [ 17.28  39.99 1007.09  74.25]]
```

Y Vector (y\_test) :

```
[431.23 460.01 461.14 ... 473.26 438.  463.28]
```

predicted values :

```
[433.94 457.9  460.52 ... 469.53 438.27 461.67]
```

score of the Model:

```
0.9458193001159928
```