In [106]:
```
import numpy as np
import pandas as pd
import requests
from csv import writer
from linear_regression import*
```

In [107]:
```
r = requests.get("https://finance.yahoo.com/quote/TSLA/history?p=TSLA")
df_list = pd.read_html(r.text)
df = df_list[0]
df.to_csv('data1.csv')
```

In [111]:
```
from sklearn.preprocessing import StandardScaler
df = pd.read_csv('data1.csv')
x = df[['Open', 'High','Low', 'Volume']]
y = df[['Close*']]
x_arr = x.to_numpy()
y_arr = y.to_numpy()
```

In [113]:
```
regr = linear_regression(x_arr,y_arr)
B0 = regr[1]
B1 = regr[2]
std_err = regr[3]
```

In [114]:
```
print("LS Estimator B0: ", B0)
print("LS Estimator B1: ", B1)
print("Standard Error: ", std_err)
```

```
LS Estimator B0:  665.7952838716081
LS Estimator B1:  1.1955604654979161e-06
Standard Error:  9.67873722562048e-07
```

In [ ]: