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

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

Choose Files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.
Saving market12.csv to market12.csv

```
import io
dataset = pd.read_csv(io.BytesIO(uploaded['market12.csv']))
dataset.head(10)
```

	X	Y
0	10	20
1	20	60
2	30	70
3	50	78
4	152	79
5	196	81
6	254	83
7	296	90
8	300	152

```
X = dataset.iloc[:, :-1].values
y = dataset.iloc[:, 1].values
```

```
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 1/3, random_state =
```

```
from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
regressor.fit(X_train, y_train)
```

```
LinearRegression(copy_X=True, fit_intercept=True, n_jobs=None, normalize=False)
```

```
y_pred = regressor.predict(X_test)
y_pred = regressor.predict(X_train)
```

```
plt.scatter(X_train, y_train, color = 'red')
plt.plot(X_train, regressor.predict(X_train), color = 'blue')
plt.title('Salary vs Experience (Training set)')
plt.xlabel('Years of Experience')
plt.ylabel('Salary')
plt.show()
```