```python
In [40]: import pandas as pd
         import numpy as np
```

```python
In [41]: dataset = pd.read_csv("house_Data.csv")
```

```python
In [42]: dataset.shape
```

```
Out[42]: (21613, 11)
```

```python
In [43]: x = dataset.iloc[:, [5]].values
         y = dataset.iloc[:, -1].values
```

```python
In [44]: from sklearn.model_selection import train_test_split
         X_train, X_test, y_train, y_test = train_test_split(x, y, test_size = 0.2, random_state = 0)
```

```python
In [45]: x
```

```
Out[45]: array([[1180],
                [2170],
                [ 770],
                ...,
                [1020],
                [1600],
                [1020]], dtype=int64)
```

```python
In [46]: y
```

```
Out[46]: array([221900., 538000., 180000., ..., 402101., 400000., 325000.])
```

```python
In [47]: from sklearn.linear_model import LinearRegression
         regressor = LinearRegression()
         regressor.fit(X_train, y_train)
```

```
Out[47]: LinearRegression()
```

```python
In [49]: y_pred = regressor.predict(X_test)
```

```python
In [50]: y_pred
```

```
Out[50]:    array([ 445360.26445241, 1327321.62814597,  382751.89604207, ...,
               426305.54363187,  314699.321683  ,  377307.69009334])
```

```python
In [51]:   from sklearn import metrics
           print('Mean Absolute Error:', metrics.mean_absolute_error(y_test, y_pred))
           print('Mean Squared Error:', metrics.mean_squared_error(y_test, y_pred))
           print('Root Mean Squared Error:', np.sqrt(metrics.mean_absolute_error(y_test, y_pred)))
```

```
Mean Absolute Error: 188654.74349853914
Mean Squared Error: 76981618783.81517
Root Mean Squared Error: 434.3440381754297
```

```python
In [52]:   regressor.score(X_test,y_test)
```

```
Out[52]:   0.35355693552757517
```