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# Experiment 1: Simple Linear Regression

**AIM:** To Understand the concepts behind linear regression and implement the simple linear regression using scikit-learn.

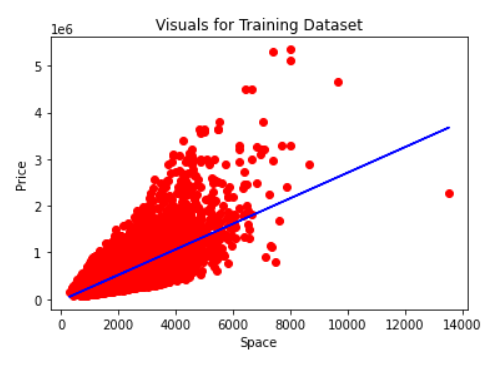
**Problem Description:**

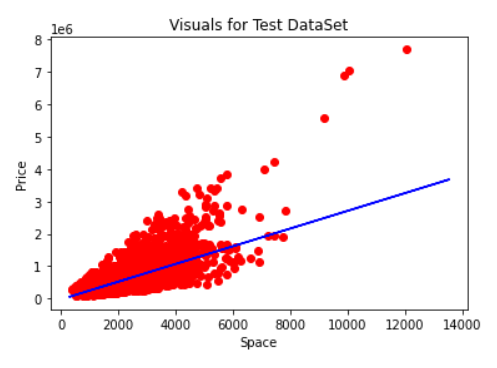
Linear regression is a technique for estimating linear relationships between various features and a continuous target variable. So if you have data that contains the selling prices of houses in your city, you can estimate the selling price of your house based on that data and understand the market. Here we will predict the price of a house with respect to its space per sqft and plot a graph for it.

**Procedure:**

1. Import the required Libraries
2. Import and Load the Dataset
3. Split the Dataset into Train and Test Data
4. Fit the Linear Regression to the Train set using method LinearRegression() from sklearn.linear\_model
5. Predict the price using Predict() method.
6. Visualize the Training and Test results by plotting them.

**Results:**

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