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# Exp 3: Implementation of Multilinear Regression

**AIM:** To Understand and Implement the Multilinear Regression.

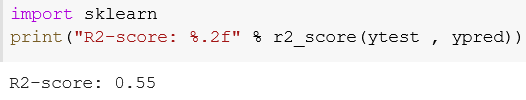
**Problem Description:**

Multilinear Regression explains the relationship between one continuous dependent variable (y) and two or more independent variables (x). With a proper dataset, we can predict the selling price of houses in our city. While there are many types of regression analysis, at their core they all examine the influence of one or more independent variables on a dependent variable. The data contains 21 different independent variables like bedrooms, sqft\_living, view, grade, etc and the dependent variable is the price. Use the variables which have a good correlation with the continuous variable ‘price’. We

**Procedure:**

1. Import the required Libraries
2. Import and Load the Dataset
3. Identify and use independent variables which have a good correlation with the dependent variable ‘price’.
4. Split the Dataset into Train and Test Data
5. Fit the Linear Regression to the Train set using method LinearRegression() from sklearn.linear\_model
6. Predict the price using Predict() method.
7. Evaluate the model with evaluation metric R2-score.
8. Visualize the Actual Price and Predicted Price results by plotting them.

**Results:**

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