from sklearn.model\_selection import train\_test\_split

from sklearn.linear\_model import LinearRegression

import pandas as pdd

# Loading the dataset

data\_h = pdd.read\_csv('kc\_house\_data.csv')

# Selecting the features and target variable

Features1 = ['bedrooms', 'bathrooms', 'sqft\_living', 'sqft\_lot', 'floors', 'zipcode']

target = 'price'

X1 = data\_h[features1]

y1 = data\_h[target]

# We will perform the data splitting into training and testing sets

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X1, y1, test\_size=0.2, random\_state=42)

# instance of the Linear Regression model creation

model = LinearRegression()

# Training the model

model.fit(X\_train, y\_train)

# Making predictions on the test set

y\_pred = model.predict(X\_test)

# Evaluating the model

score = model.score(X\_test, y\_test)

print("Model R^2 Score:", score)

# Predicting the price of a new house

new\_house = pdd.DataFrame({'bedrooms': [2], 'bathrooms': [2.5], 'sqft\_living': [600], 'sqft\_lot': [600], 'floors': [2], 'zipcode': [98008]})

predicted\_price = model.predict(new\_house)

print("Predicted Price:",

***Output:***

C:\Users\Tutorialspoint>python image.py

Model R^2 Score: 0.5152176902631012

Predicted Price: 121215.61449578404