**EXPERIMENT – 07**

Write a program to implement Linear Regression (LR) algorithm in python

**CODE :**

# Linear Regression program in Python

from sklearn.linear_model import LinearRegression


# Input data

X = [[1], [2], [3], [4], [5]]

y = [2, 4, 6, 8, 10]


# Create model

model = LinearRegression()


# Train model

model.fit(X, y)


# Predict

print("Prediction for 6:", model.predict([[6]]))

**OUTPUT :**

```
>>>
    === RESTART: C:/Users/lalit/AppData/Local/Programs/Python/Python313/exp-07.py ==
    Prediction for 6: [12.]
>>>
```