

```
# Import libraries

from sklearn.linear_model import LinearRegression


# Sample data

hours_studied = [[1], [2], [3], [4], [5]] # Input
marks_scored = [35, 40, 50, 60, 75]      # Output


# Create and train model

model = LinearRegression()
model.fit(hours_studied, marks_scored)


# Predict marks for 6 hours of study

predicted = model.predict([[6]])

print("Predicted Marks for 6 hours of study:", predicted[0])
```