

```
# 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])
```