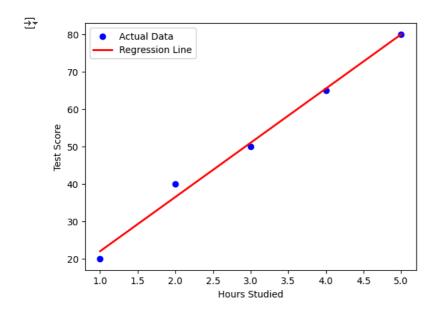
y\_pred = model.predict(X)

import matplotlib.pyplot as plt

plt.scatter(X, y, color='blue', label='Actual Data')
plt.plot(X, y\_pred, color='red', linewidth=2, label='Regression Line')
plt.xlabel("Hours Studied")
plt.ylabel("Test Score")
plt.legend()
plt.show()



from sklearn.metrics import mean\_absolute\_error, mean\_squared\_error
mae = mean\_absolute\_error(y, y\_pred)
mse = mean\_squared\_error(y, y\_pred)
rsme=np.sqrt(mse)

print("Mean Absolute Error: (mae)", mae)
print("Mean Squared Error: (mse)", mse)
print("Root Mean Squared Error: (rmse)",rsme)