**import pandas as pd**

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

**from sklearn.linear\_model import LinearRegression**

**from sklearn.metrics import mean\_squared\_error, r2\_score**

**data = pd.read\_csv('iris.csv')**

**X = data[['sepal\_length', 'sepal\_width']]**

**y = data['petal\_length']**

**X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.3, random\_state=42)**

**model = LinearRegression()**

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

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

**mse = mean\_squared\_error(y\_test, y\_pred)**

**r2 = r2\_score(y\_test, y\_pred)**

**print("Mean Squared Error: " , mse)**

**print(f"R^2 Score: {r2}")**

**sepal\_length = 3.8**

**sepal\_width = 2.6**

**predicted\_petal\_length = model.predict([[sepal\_length, sepal\_width]])**

**print(f"Predicted Petal Length for Sepal Length = {sepal\_length} and Sepal Width = {sepal\_width}: {predicted\_petal\_length[0]}")**