#import the packges

import matplotlib.pyplot as plt

import pandas as pd

#Read Dataset

dataset=pd.read\_csv("/content/hours.csv")

#index read

x=dataset.iloc[:,:-1].values  #slice all column

y=dataset.iloc[:,1].values  #last Column

#import packages of LR

from sklearn.linear\_model import LinearRegression

regressor=LinearRegression() #create object of LR

# Fit Function

regressor.fit(x,y)

#score Function

Accuracy=regressor.score(x,y)\*100

print('Accuracy')

print(Accuracy)

#Predict Function

y\_pred=regressor.predict([[10]])

print(y\_pred)

#input from user

hours=int(input("Enter the no of hours"))

# Coefficient

# intercept

eq=regressor.coef\_\*hours+regressor.intercept\_

print("Risk Score",eq[0])

plt.plot(x,y,'o')

plt.plot(x,regressor.predict(x));

plt.show()

//OUTPUT:

Accuracy

43.709481451010035

[58.46361406]

Enter the no of hours10

Risk Score 58.4636140637776

