```
import matplotlib.pyplot as plt
import pandas as pd

# Read Dataset
dataset=pd.read_csv("hours.csv")
X=dataset.iloc[:,:-1].values
y=dataset.iloc[:,1].values

# Import the Linear Regression and Create object of it
from sklearn.linear_model import LinearRegression
regressor=LinearRegression()
regressor.fit(X,y)
Accuracy=regressor.score(X, y)*100
print("Accuracy :")
print(Accuracy)

# Predict the value using Regressor Object
y_pred=regressor.predict([[10]])
print(y_pred)

# Take user input
hours=int(input('Enter the no of hours'))

#calculate the value of y
```

```
eq=regressor.coef_*hours+regressor.intercept_
y='%f*%f+%f' %(regressor.coef_,hours,regressor.intercept_)
print("y :")
print(y)
print("Risk Score : ", eq[0])
plt.plot(X,y,'o')
plt.plot(X,regressor.predict(X));
plt.show()
```

Output

Accuracy :

43.709481451010035

[58.46361406]

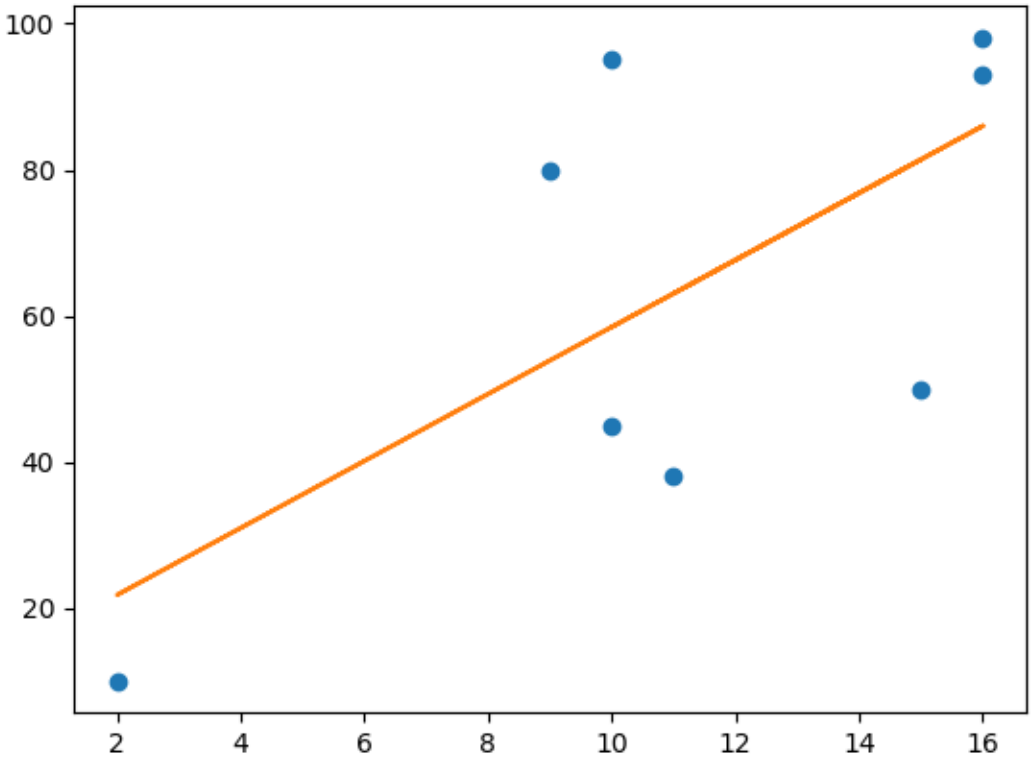
Enter the no of hours 10

y :

4.587899*10.000000+12.584628

Risk Score : 58.4636140637776

Graph


100
80
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