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import numpy as np
import matplotlib.pyplot as plt
import pandas as pd


dataset=pd.read_csv(r"D:\Data Science with AI\Data Science With AI\14-august-class work practise
x=dataset.iloc[:,:-1]
y=dataset.iloc[:,1]

from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2,random_state=0)


from sklearn.linear_model import LinearRegression
regressor=LinearRegression()
regressor.fit(x_train,y_train)

y_pred=regressor.predict(x_test)


plt.scatter(x_test,y_test,color='red')
plt.plot(x_train,regressor.predict(x_train),color='blue')
plt.title('Salary vs Experience(Test Set)')
plt.xlabel('Years of Experience')
plt.ylabel('Salary')
plt.show()


m=regressor.coef_

c=regressor.intercept_

m
c

m*12+c
(m*10)+c
```