Decision Tree Regression:-

import numpy as np

import matplotlib.pyplot as plt

import pandas as pd

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

x=dataset.iloc[:,1:-1].values

y=dataset.iloc[:,-1].values

from sklearn.tree import DecisionTreeRegressor

regressor=DecisionTreeRegressor(random\_state=0)

regressor.fit(x,y)

regressor.predict([[6.5]])

x\_grid=np.arange(min(x),max(x),0.1)

x\_grid=x\_grid.reshape(len(x\_grid),1)

plt.scatter(x,y,color='red')

plt.plot(x\_grid,regressor.predict,color='blue')

plt.title('Regression Tree')

plt.xlabel('Position level')

plt.ylabel('Salary')

plt.show()