#importing library

import numpy as np

import pandas as pd

import matplotlib.pyplot as plt

#importing dataset

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

x=dataset.iloc[:,1:2].values

y=dataset.iloc[:,2].values

'''#splitting into test and training dataset

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)

#feature scaling

from sklearn.preprocessing import StandardScaler

sc\_x=StandardScaler()

x\_train=sc\_x.fit\_transform(x\_train)

x\_test=sc\_x.transform(x\_test)'''

#Fitting the regression model

from sklearn.ensemble import RandomForestRegressor

regressor=RandomForestRegressor(n\_estimators=300,random\_state=0)

regressor.fit(x,y)

#predicting the results by lin reg

y\_pred=regressor.predict(x)

#visualsing the regression(high resolution)

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,regressor.predict(x),color='blue')

plt.title('truth or bluff(')

plt.xlabel('position level')

plt.ylabel('Salary')

plt.show()