import pandas as pd

import numpy as np

#reading Dataset

dataset=pd.read\_csv("data.csv")

X=dataset.iloc[:,:-1]

y=dataset.iloc[:,5]

print(X)

print(y)

#Perform Label encoding

#converts string data into numericals

from sklearn.preprocessing import LabelEncoder

le=LabelEncoder()

X=X.apply(le.fit\_transform)

print(X)

from sklearn.tree import DecisionTreeClassifier

regressor=DecisionTreeClassifier()

regressor.fit(X.iloc[:,1:5],y)

#Predict value for the given Expression

X\_in=np.array([1,1,0,0])

y\_pred=regressor.predict([X\_in])

print("Prediction:", y\_pred)

#Not running

from sklearn.externals.six import StringIO

from IPython.display import Image

from sklearn.tree import export\_graphviz

import pydotplus

dot\_data=StringIO()

export\_graphviz(regressor,out\_file=dot\_data,filled=True,rounded=True,special\_characters=True)

graph=pydotplus.graph\_from\_dot\_data(dot\_data.getvalue())

graph.write\_png('tree.png')