```
import pandas as pd
import numpy as np
```

```
dataset=pd.read_csv("data.csv")
X=dataset.iloc[:,:-1]
y=dataset.iloc[:,5]
```

```
#Perform Label encoding
from sklearn.preprocessing import LabelEncoder
le=LabelEncoder()
```

```
X=X.apply(le.fit_transform)
print("X")
```

```
     X
```

```
from sklearn.tree import DecisionTreeClassifier
regressor=DecisionTreeClassifier()
regressor.fit(X.iloc[:,1:5],y)
```

```
     DecisionTreeClassifier()
```

```
#Predict value for the given Expression
X_in=np.array([1,1,0,0])
y_pred=regressor.predict([X_in])
print("Prediction:", y_pred)
from six import StringIO
#from sklearn.externals.six import StringIO
from IPython.display import Image
from sklearn.tree import export_graphviz
import pydotplus
```

```
     Prediction: ['Yes']
     /usr/local/lib/python3.7/dist-packages/sklearn/base.py:451: UserWarning: X does not
       "X does not have valid feature names, but"
```

```
dot_data=StringIO()
```

```
export_graphviz(regressor,out_file=dot_data,filled=True,rounded=True,special_characters=Tr
graph=pydotplus.graph_from_dot_data(dot_data.getvalue())
graph.write_png('tree.png')
```

```
     True
```

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