```
In [1]: import pandas as pd
         import numpy as np
 In [5]: | iris=pd.read csv('C://Users/Gopi/Desktop/machine learning/csv files/iris.csv')
 In [8]: iris setosa = iris.iloc[0:50,0:5]
         iris versicolor = iris.iloc[50:100,0:5]
         iris vergenica = iris.iloc[100:150,0:5]
 In [9]: df1 = pd.DataFrame(iris setosa.iloc[0:25,0:5])
         df2 = pd.DataFrame(iris versicolor.iloc[0:25,0:5])
         df3 = pd.DataFrame(iris vergenica.iloc[0:25,0:5])
In [10]: iris train = pd.concat([df1,df2,df3])
         X train = iris train.iloc[:,0:4]
         y train = iris train.iloc[:,4]
In [11]: df1 = pd.DataFrame(iris setosa.iloc[25:50,0:5])
         df2 = pd.DataFrame(iris versicolor.iloc[25:50,0:5])
         df3 = pd.DataFrame(iris vergenica.iloc[25:50,0:5])
In [12]: iris test= pd.concat([df1,df2,df3])
         X test = iris test.iloc[:,0:4]
         y test = iris test.iloc[:,4]
In [13]: from sklearn.tree import DecisionTreeClassifier
         classifier = DecisionTreeClassifier(criterion = 'entropy', random state = 0)
         classifier.fit(X train, y train)
         y pred = classifier.predict(X test)
In [15]: from sklearn.metrics import confusion matrix, accuracy score
         Confusion Matrix = confusion matrix(y test, y pred)
         Accuracy Score = accuracy score(y test, y pred)
In [22]: print('CONFUSION MATRIX')
         print(Confusion Matrix)
         print('ACCURACY SCORE')
         print(Accuracy Score)
         CONFUSION MATRIX
         [[25 0 0]
          [ 0 23 2]
          [ 0 2 2311
         ACCURACY SCORE
         0.9466666666666667
```