Experiment-15: Decision Tree

Aim:

  To Print a Python Program to implement a Decision tree.

Program:
```
import pandas
from sklearn import tree
from sklearn.tree import DecisionTreeClassifier
import matplotlib.pyplot as plt
from sklearn.datasets import load_breast_cancer
from sklearn.model_selection import train_test_split
x,y = load_breast_cancer(return_X_y=True)
x_train,x_test,y_train,y_test = train_test_split(x,y)




dtree = DecisionTreeClassifier()
dtree = dtree.fit(x_train, y_train)

print("accuracy : ",dtree.score(x_test,y_test))
```

OUTPUT:
accuracy : 0.8951048951048951

Result:
The Code has been Implemented Successfully.