

Exp no: 13

Implementation of decision tree classification techniques

Aim:

To implement decision tree classification techniques from sklearn import tree

using decision tree classifier for prediction

if = tree.DecisionTreeClassifier()

Here the array contain these values

X = [[181, 80, 91], [182, 90, 92], [183, 100, 92],
[184, 200, 93], [185, 300, 94], [186, 400, 95]]

Y = ['male', 'male', 'female', 'male', 'male',
'female', 'male', 'female']

if = if.fit(X, Y)

Prediction f = if.predict([[181, 80, 91]])

Prediction m = if.predict([[183, 100, 92]])

Print (Prediction f)

Print (Prediction m)

O/p ['male'] ['female']

Result:

The program is successfully executed and verified.