Date: 26/10/24 DECISION TREE CLASSIFICATION

AIM:

to simplement a decrepon tree dossiffication

technique to gender classiffication teating

from skleam Proport tree

print ( prediction m)

## PROGRAM:

clf = tree. Decision tree classifier ()

X = [[181,180, 91], [182,90,92], [183,100,92],

[184,800, 92], [185,300,94], [186,400,95],

[187,500,96], [189,600,94], [190,700,98],

[191,800,99], [192,900,100], [193,1000,101]]

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

'male', female', 'male', 'female', 'male',

'temale', 'male']

clf = clf off (x,y)

prediction = clf. predict ([181,80,91])

Prediction = clf. Predict ([183,100,92])

print (prediction of)

## OUTPUT:

['male']

t'temale'y

11 11 11 16 4

RESULT:

Thus, the declarent tree ps remembed successfully and output is verified.