Ex : No : 13	Implementation of Decision Tree
Date :	classification techniques

Program code :

```
from sklearn import tree

clf = tree.DecisionTreeClassifier()

X = [[181, 80, 91], [182, 90, 92], [183, 100, 92],
[184, 200, 93], [185, 300, 94], [186, 400, 95],
[187, 500, 96], [189, 600, 97], [190, 700, 98],
[191, 800, 99], [192, 900, 100], [193, 1000, 101]]

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

clf = clf.fit(X, Y)

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

predictionm = clf.predict([[183, 100, 92]])

print(predictionf)

print(predictionm)
```

output :

```
['male']
['female']
```

Result :

Thus the program is successfully executed & the output is verified.