EX.NO-13 **LOGISTCREGRESSION**

Aim:
Toimplementmodel evaluationtechniquetoget testscoreofasupervisedlearningalgorithm

Description:

1. UseofLogisticRegressionmodelformodel evaluation
2. Thegivenbuildindataset,canbesplitintotrainingsetandtestset
3. Evaluatethemodelthroughits testscore

Program:

```
fromsklearn.linear_modelimportLogisticRegressionfr
om sklearn.model_selection import
train_test_splitfromsklearn.datasetsimportmake_blob
s

#createasyntheticdataset
X,y=make_blobs(random_state=0)

#split dataandlabelsintoatrainingandatest set
X_train,X_test,y_train,y_test=train_test_split(X,y,random_state=0)

# instantiate a model and fit it to the training
setlogreg=LogisticRegression().fit(X_train,y_trai
n)

# evaluatethemodelonthetestset
print("Testsetscore:{:.2f}".format(logreg.score(X_test,y_test)))
```

Output:

```
Testsetscore:0.88
```

Result:
Theprogramswererunsuccessfully