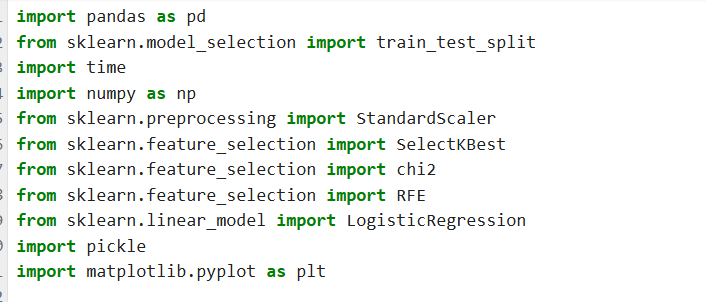
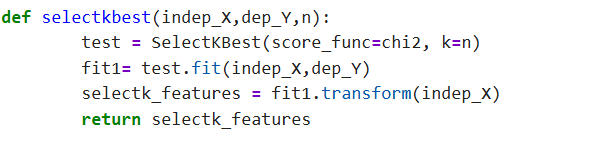
Importing the required libraries



Function is created for Kbest



Indep\_X 🡪 Independent Input

Dep\_y 🡪 Dependent output

N 🡪 No of input(We can choose based on our wish)

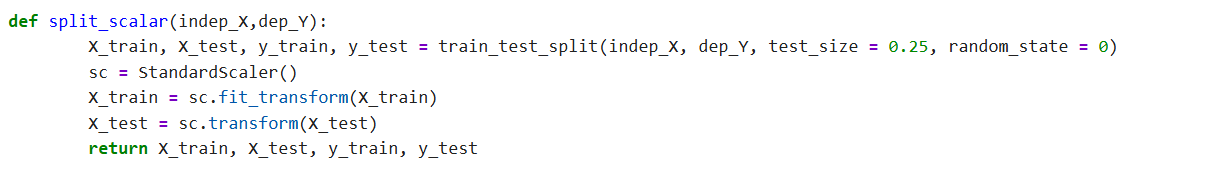
Test =selectKBest(score\_func=chi2, k=n)

Test 🡪 Variable, selectKBest 🡪 choosing K algorithm, chi2🡪 score to choose the best model, k=n no of parameter that we can choose.

Fit1=test.fit(indep\_X,depY)

Fit1🡪 Variable, test.fit🡪 create model, indep\_x and dep\_Y 🡪 Input/output

select\_feature🡪 Variable, fit1.transform(indep\_X) 🡪 It will transform what are the best input that chosen based on the number we have given.



Scaler is used to preprocessing the values before goes into the model creation.

Split\_Scalet(indep\_X,dep\_Y): 🡪 Function that to preprocess the input and output values

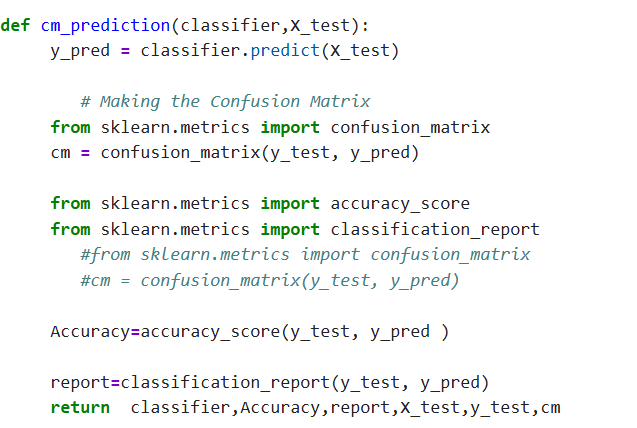
X-train,y\_train,X\_test,y\_test 🡪 Separating traing and test set.

X\_tran = sc.fit\_transform(X\_train) 🡪 Training data

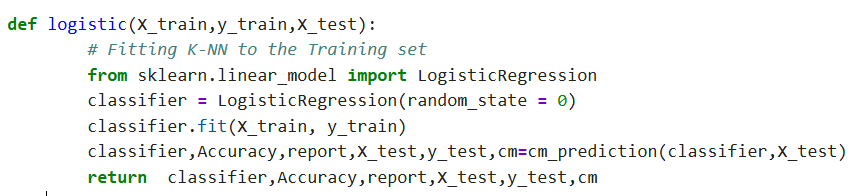
X\_test = sc.transform(X\_test) 🡪 Test data

Return X\_train, X\_test, y\_train, y\_test 🡪 Return with train, and test data

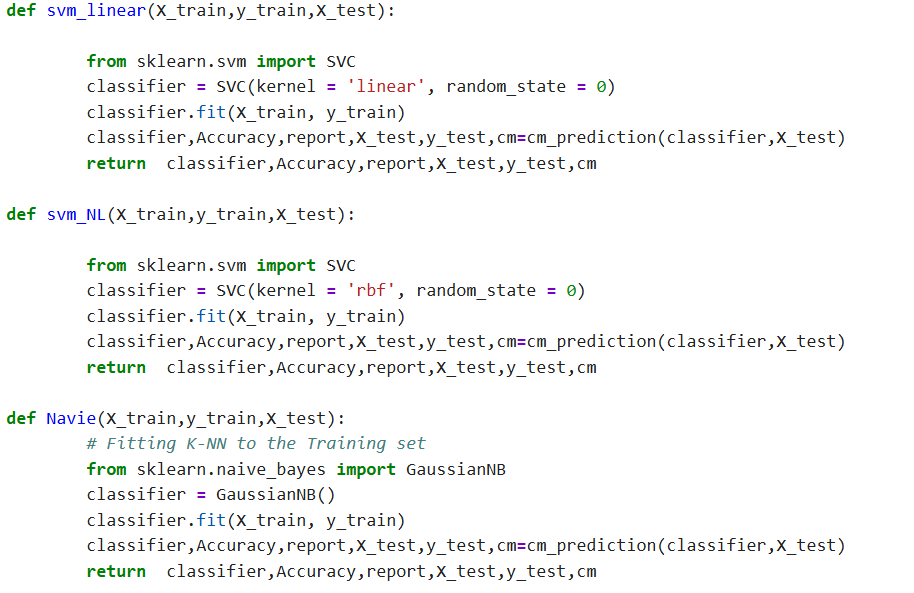
Confusion Matrix:

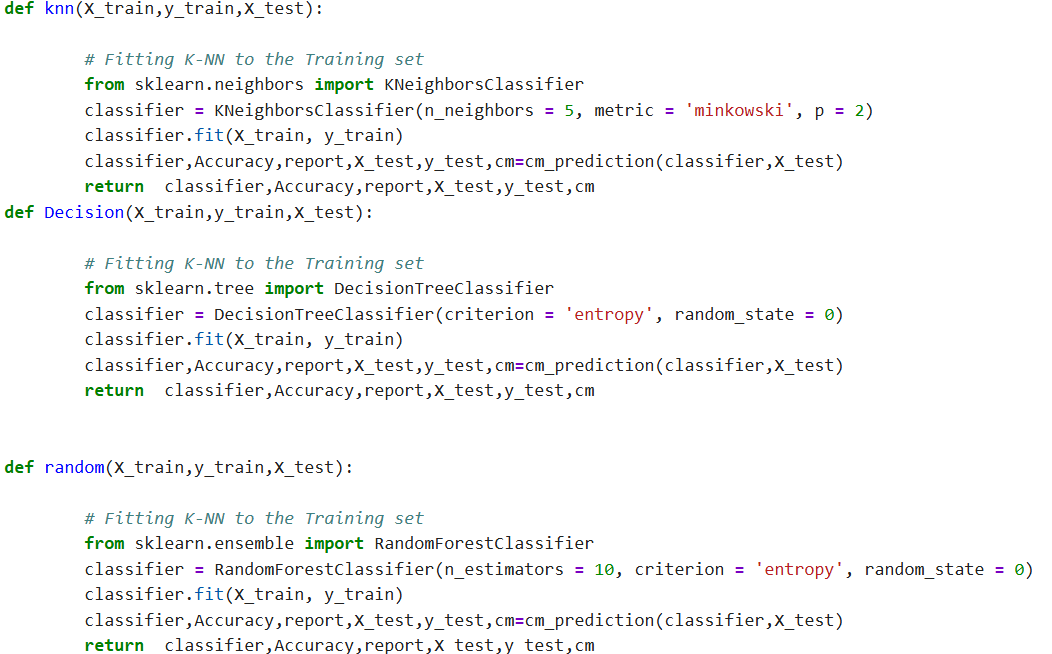


The above function create confusion matrix based on the given classifier and the Input.



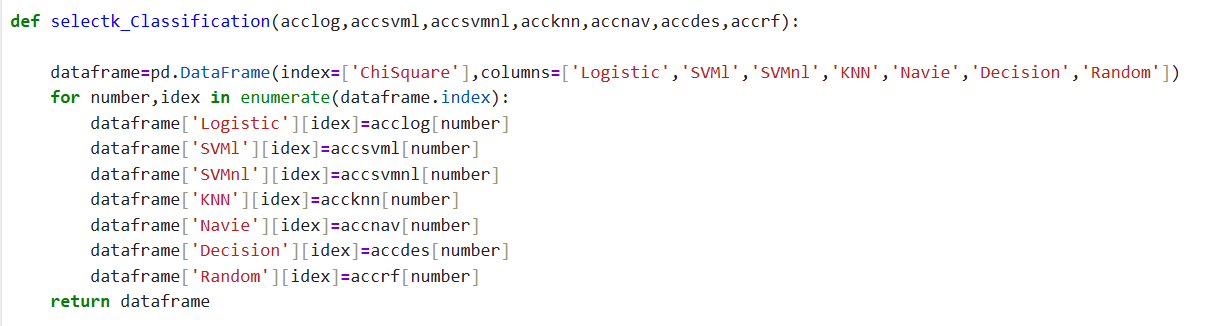
The above function creates the classifier model based on the logistic algorithm. It returns with model, accuracy, report, input, output, and confusion matrix.



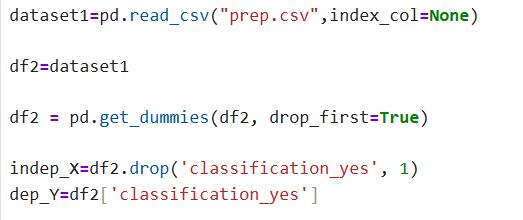


All the above algorithms creates models.

Creating a table:



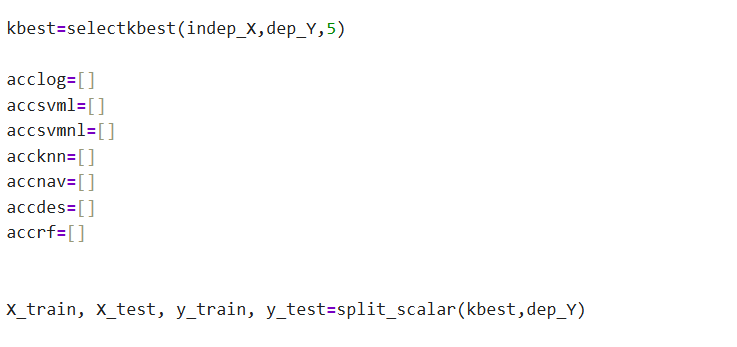
The above function creates a table with the model created .



We run the csv file, the dataset1 is assigned to df2.

Categorical values are converted into onehot encoding by get dummies.

It creates independent input and dependent output.



The accuracy of the each model will be saved in the command.

