Program No:3

Date:01-12-2021

Aim: Program to implement KNN classification using any student dataset available to the public domain, and find the accuracy of the algorithm

Program code

from sklearn.neighbors import KNeighborsClassifier

from sklearn.metrics import accuracy\_score

from sklearn.model\_selection import train\_test\_split

from sklearn.datasets import load\_iris

irisData=load\_iris()

x=irisData.data

y=irisData.target

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.2,random\_state=80)

knn=KNeighborsClassifier(n\_neighbors=5)

knn.fit(x\_train,y\_train)

print(knn.predict(x\_test))

z=knn.predict(x\_test)

i=accuracy\_score(y\_test,z)

print(i)

Output

