## **Program 3:**

Aim:Program to implement K-NN classification using any standard dataset available in public domain and find the accuracy of the algorithm.

## Program:

```
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import train_test_split
from sklearn.datasets import load_iris
from sklearn.metrics import accuracy_score
irisData=load_iris()
a=irisData.data
b=irisData.target
a_train,a_test,b_train,b_test
=train_test_split(a,b,test_size=0.6,random_state=10)
knn=KNeighborsClassifier(n_neighbors=3)
knn.fit(a_train,b_train)
print(knn.predict(a_test))
x=knn.predict(a_test)
z=accuracy_score(b_test,x)
print(z)
```

## Output: