Program no:3

Aim : Perform to implement K-NN classification using standard dataset available in the 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()
x = irisData.data
y = irisData.target
x_train, x_test ,y_train, y_test =train_test_split(x,y, test_size=0.9,random_state=90)

knn = KNeighborsClassifier(n_neighbors=2)
knn.fit(x_train,y_train)

print(knn.predict(x_test))
w = knn.predict(x_test)
z = accuracy_score(y_test,w)
print(z)
```

OUTPUT