

EXPERIMENT – 5

PROGRAM:

```
from sklearn.neighbors import KNeighborsClassifier  
from sklearn.datasets import load_iris  
from sklearn.model_selection import train_test_split  
iris = load_iris()  
X_train, X_test, y_train, y_test = train_test_split(iris.data, iris.target)  
k = int(input("Enter K: "))  
knn = KNeighborsClassifier(n_neighbors=k)  
knn.fit(X_train, y_train)  
print("Accuracy:", knn.score(X_test, y_test))
```