**PRACTICAL 08: K-Nearest Neighbors**

**Code:**

#import necessary modules

from sklearn.neighbours import KNeighboursClassifier

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

from sklearn.datasets import load\_iris

#Loading Data

irisData = load\_iris()

#create Feature and target arrays

X = irisData.data

y = irisData.target

#Split into traning and test set

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size = 0.2, random\_state=42)

knn = KNeighboursClassifier(n\_neighbours=7)

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

#Predict on dataset which model has not seen before

print(knn.predict(X\_test))

print(knn.score(X\_test, y\_test))

**Output:**

