Aim: Program to implement KNN classification using any student dataset available to 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\_wine

from sklearn.metrics import accuracy\_score

wine = load\_wine()

x=wine.data

y=wine.target

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.45,random\_state=42)

knn=KNeighborsClassifier(n\_neighbors=7)

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

print(knn.predict(x\_test))

V=knn.predict(x\_test)

result=accuracy\_score (y\_test, V)

print ("accuracy:", result)