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)
```