#import libraries

import numpy as np

import matplotlib.pyplot as plt

import pandas as pd

# importing our csv dataset

mydata=pd.read\_csv('classification\_problem\_Full.csv')

X=mydata.iloc[:,[0,1,2]].values

y=mydata.iloc[:,[3]].values

# splitting data into training and testing data

from sklearn.cross\_validation import train\_test\_split

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X,y, test\_size=0.25, random\_state=0)

# Feature scaling

from sklearn.preprocessing import StandardScaler

sc=StandardScaler()

X\_train=sc.fit\_transform(X\_train)

X\_test=sc.transform(X\_test)

#Classification algorithm area

from sklearn import neighbors

classifier=neighbors.KNeighborsClassifier()

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

# get output of test results

y\_pred=classifier.predict(X\_test)

#y\_pred=classifier.predict([[1,1,1]])

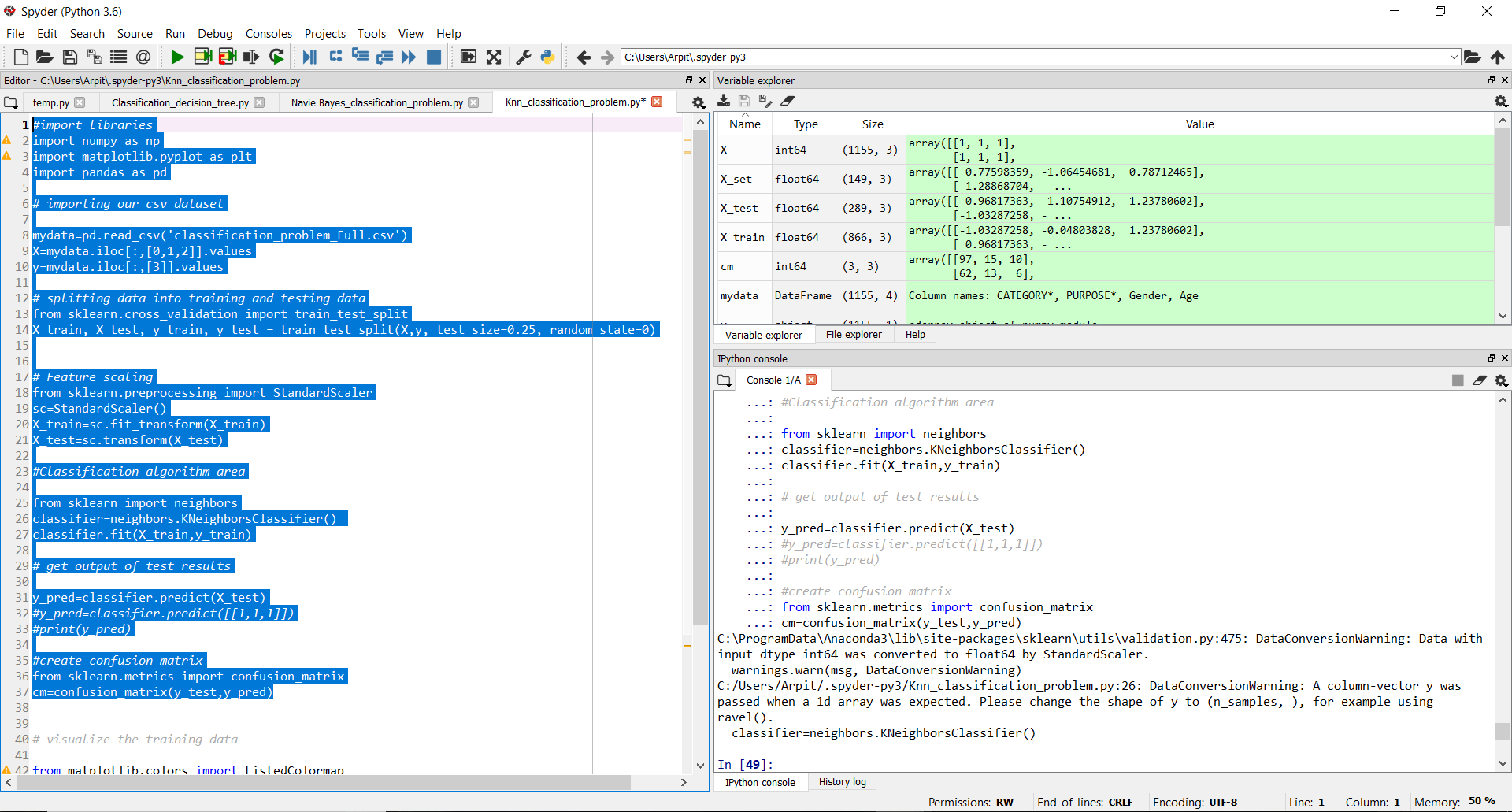
print(y\_pred)

#create confusion matrix

from sklearn.metrics import confusion\_matrix

cm=confusion\_matrix(y\_test,y\_pred)

**Output:**



**By Weka:**

**We get an accuracy as 43.25%**

