## **HW1 Summary Report**

Generate an artificial dataset which contain three classes. Conduct a similar KNN analysis to the dataset and report your accuracy.

After conducting a similar KNN analysis:

Predictions from the classifier:

Target values:

Accuracy score: 1.0

The predicted values of training dataset are 100% equal to targets in training dataset.

After setting the parameter as algorithm='auto', leaf\_size=30, metric='minkowski', p=2, metric\_params=None, n\_jobs=1, n\_neighbors=5, weights='uniform' and conduct the KNN analysis again:

Accuracy score: 1.0

The predicted value of testing dataset are 100% equal to targets in testing dataset.