Python for Tool Developers

# Lab 7

# 11/16/2016

### Lab 7. Using the collections library

The collections library in Python contains a number of very useful data structures that can be applied to a programming problem. For this lab, there will be a data source entitled *DOHMH\_New\_York\_City\_Restaurant\_Inspection\_Results\_sample.csv*.

1. Read the data from the source.

2. Create a data structure that looks like this:

{ OrderedDict{ Key = “Restaurant Name” Value = DefaultDict{“Key = CAMIS Number: Value = [Named Tuple of CAMIS records]}}

3. Create a data structure that contains the following: {key = CAMIS record, value = Number of violations}

3. Create methods that do the following:

A. Allow the user to see all of the CAMIS records for a given restaurant.

B. Tell the user the number of entries for a given CAMIS number.