**List, Tuples, Strings, Classes, and Inheritance**

**ITM205: Object Oriented Programming**

**Professor: Dr. Santos Galvez**

**By Odiscious Dozier**

**Trident University**

**Case 04 – Summary**

**Summary**

This assignment was very straight forward for me, but there were interesting tidbits I enjoyed reviewing. Splicing is a concept that is used in this assignment for looking at portions of, lists, tuples, and strings. I think a particularly interesting point is that the substring() function uses a convention that when the second parameter is subtracted from the first parameter the size of the substring is given. To do this, the substring() function includes the first index as a starting point and subtracts one from the second parameter and uses that value as the last index of the substring() function. List, tuples, and strings provide this type of behavior.

Another key take away from this assignment is that tuples, unlike lists and strings, are immutable objects. This means that at no time during the life of a tuple can they be modified. They can, however, have their values unpacked and assigned to a new tuple. If an element is to be modified, the time to do it is before the new tuple is instantiated with the modified values.