**CSCI 236 Python Programming Fall 2018**

**Chapter 8 Activity 2**

1. Write a Python program to replace last value of tuples in a list.

Sample list: [(10, 20, 40), (40, 50, 60), (70, 80, 90)]

Expected Output: [(10, 20, 100), (40, 50, 100), (70, 80, 100)]

Hint: in python tuple, concatenation can be performed as (1, 2) + (3,) = (1, 2, 3) since

Tuple is a sequence like string.

1. Write a Python program to sort a tuple by its float element in decreasing order.

Sample data: [('item1', '12.20'), ('item2', '15.10'), ('item3', '24.5')]

Expected Output: [('item3', '24.5'), ('item2', '15.10'), ('item1', '12.20')]

1. Write a Python program to create an intersection of sets.

Sample list: ['Green', 'Blue'] intersect with ['Blue', 'Yellow']

Expected Output : {‘Blue’}

1. Write a Python program to get the top three items in a shop.

Sample data: {'item1': 45.50, 'item2':35, 'item3': 41.30, 'item4':55, 'item5': 24}  
Expected Output:   
item4 55  
item1 45.5  
item3 41.3