**2018 Fall: CSEE5590 – Special Topics**

**Python Programming**

**Lesson2: List, Tuples, Functions, Loops, if Conditions in python**

In this lesson all kinds of controls in python will be reviewed.

1. Conditional statements: if else statements
2. Working with Tuples, Lists, Functions
3. Various kinds of Loops: definite and indefinite loops, using files in loops, Nested Loops

**In Class Programming:**

* Write a python program to take list of numbers as input and to return a tuple of first and last numbers in the list.

**Input:**

[1,2,3,4,5]

**Output:**

(1,5)

* Write a python program to count number of words and characters in a file and the print the output.

**Input:**

Python Course

Deep learning class

**Output:**

Python Course 2,12

Deep Learning class 3,17

* Write a python program to print first letter of name using star symbols.

