**CS 352 Spring 2018 -- Programming Assignment #1 (20 points)**

***Due date: Tuesday, April 3***

1. ***Python Practice (10 points)***
2. Write codes to find maximum of the following lists:

[] [3] [5, 2, 8] [2, 4, 8, 1, 6]

1. Write codes to create a list [1, 4, 7, 10, 13, 16, 19, …, 199] in three different ways

Method 1: use list factory function and range function

Method 2: initialize an empty list, and appending elements to the list one by one

Method 3: use for statement inside the list

(see lecture demonstration of above three methods)

Save all codes in one Python program file, say LastFirstInitialsPA1.py, copy and paste the program output to the end of codes as comments. If some output has error message, just copy and paste the error message as the result.

1. ***Lisp Practice (10 points)***
2. Write codes to find maximum of the lists (convert to Lisp notation) as in above (1).
3. Write codes Create an empty list first, then adding symbols one by one to get a list of (a b c d e)
4. Write codes to create a list of ((a 1) (b 2) (c 3))

Save all codes in one Lisp program file, say LastFirstInitialsPA1.lsp, either create a script file capturing all output or copy and paste all output to the end of the codes as comments.

**Submission:** submit the Python file and the Lisp file (if use script file, submit both lisp program file and the script file) to blackboard.