A290/A590
Tools for Computing
System Programming with C and Unix.

Program 2

DUE Thursday, September 15, 2016 by 11:59.59.99pm (before MIDNIGHT)
Submit your `callingfunc.c` file to your Canvas "Homework PROGRAM 2" assignment in the "Homework PROGRAMS" Group

Preliminary Information:

Your goal is to submit your version of `callingfunc.c` as presented in Meeting 5 and also including things from Meetings 4 and 6. If you have been keeping up, you may merely need to hand it in, with little or no modifications over what we did in class thru 9/12/2016. NOTE: **You are NOT including anything from your Program 1 `buffet.c` file.**

Program 2 Requirements:

Create your version of `callingfunc.c` file and its contents were demonstrated in class. You will find the expected **sample** output for each function in either the Meeting 4, Meeting 5, (or beginning of Meeting 6) guides. Your version merely means you created it on your own. Your version of `callingfunc.c` **must** include the following features:

1. Proper Comment Block at the head of the file.
2. Proper and appropriate "in-line" or "in the code" comments.
3. A function, called "loops" that properly mimics the output of the loops.c program from Meeting 4.
4. A function called "conditionals" that properly mimics the output of the conditionals.c program from Meeting 4.
5. A function called "firstswap" that properly mimics the output of the "firstswap" function from Meetings 5/6. [NOTE: Your displayed output should mimic that shown at the bottom of Page 4 in Meeting 5 guide.]
6. A "calling function", i.e., the proper code in your `main()`, that allows all three (3) of the above functions to be run with a single command after compilation.

Again, BE SURE you thoroughly comment your actual code and include the expected Heading Comment Block show in Meeting Guide 2 and in numerous class examples. These comments and comment block will represent 20 of your 100 points.

Scoring:

Proper and adequate "in-code" Comments and proper Heading Comment Block: 20 points
File compiles and runs: 20 points
"Loops" function works correctly: 15
"Conditionals" function works correctly: 15
"Firstswap" function works correctly: 15
"Calling function" allows all functions to run: 15

Handing in your Assignment

As with Program 1 and Assignment 1, you will have to use some form of "Secure FTP" program to submit your file to your Canvas "Homework PROGRAM 2" assignment in the Homework PROGRAMS group. It will usually take two steps: 1: Move the file from the burrow to the computer you are using, 2. Upload the file from the computer you are using to Canvas with the usual method. If you have questions about this, ask them ASAP.