**BLG312E Computer Operating Systems**

**Assignment 1 Report**

**Q1:**

1. 4 processes will be created.
2. 4 ‘c’ variables will be created. Each variable is for each process.
3. There are four ‘c’ variables:
   1. For the main process: c = 5.
   2. For the first child of the main process: c = 3.
   3. For the child of the first child of the main process: c = 9.
   4. For the second child of the main process: c = 5.

**Q2:**

* In order to compile the code, enter ***gcc “Source Code File.c” -o output*** to the terminal. An output file will be created.
* Run the output file using this command: ***./output***. For Windows, an executable file will be created. Run it using this command: ***output.exe***.
* There will be 13 different processes that are created by the program. The output format of the program is as follows:
  + PID: The ID of the current process.
  + Children\_PID(s): The children of the current process. Each ID is separated by comma.
  + Level: The level of the current process. The main process starts from level 1.
* An example output line for a main process:
  + *<PID: 593, Children\_PID(s): 594, 595, 599, level: 1>*
* After the execution of the program ends, the program will wait for the return key to terminate. Press enter to terminate the program.

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