CSCD 340
Lab 5

You answers will be in the form of a PDF/C Code.

In class we discussed the basics of fork and exec. Using your lab4.c and lab4.h
1. Copy lab4.c and lab4.h into the Lab5 folder tokenize
2. Rename each file makeArgs.c and makeArgs.h respectively
3. For makeArgs.h replace the #ifndef and #define at the top of the file with
      #ifndef MAKEARGS_H
      #define MAKEARGS_H

4. For makeArgs.c change the #include to makeArgs.h
5. I have provided a C file named cscd340Lab5.c. You must write the forkIt function in process.c This function will:
      i. fork() and store the result
      ii. check the result of fork() if in the parent - issue a waitpid command waiting for the pid
      iii. if the result of the fork() indicates the child - issue the appropriate execvp command
      iv. Check the results of the exec command – if the execvp command was invalid issue an exit to kill the child

Run your code with multiple commands both valid and invalid and capture the valgrind output. Store the valgrind output in a PDF.

NOTE: The grader will be running simple commands (both valid and invalid) such as ls -l, pwd, pwe, ls -al, make, etc.

TO TURN IN

A zip
   • Your PDF of your valgrind run
   • Your C files

You will submit a zip file named your last name first letter of your first name lab5.zip (Example steinerslab5.zip)