University of Texas at Dallas--Computer Science Program
CS 5348 Operating Systems Concepts Fall 2016
Project 1

Write a C program called myshell.c, which, when compiled and run, will do what the shell does, namely,

It executes in a loop (until user types exit on the keyboard), prints a prompt on the screen, reads the command typed on the keyboard (terminated by \n), creates a new process and lets the child execute the user's command, waits for the child to terminate and then goes back to beginning of the loop.

If the command typed is exit, then your program should terminate.

Print the total number of commands executed just before terminating your program.

Assume that each line represents one command only, no command will end with & (all commands will be attached commands, no background execution), user will not type ^c or ^z, all commands are simple commands, etc.

This is a group project with two people per group. Form your own group and get started today.

Deadline: September 29, 2016 by end of day.

You can develop and test your program on any machine but it must compile and run correctly on cs1.utdallas.edu.

Upload your program on elearning using my link. Upload instructions will be provided before the deadline.

Useful system calls: fork(), exec() and its several variations, wait().

It is important to start on this project right away. No help from anyone or any entity outside your group.