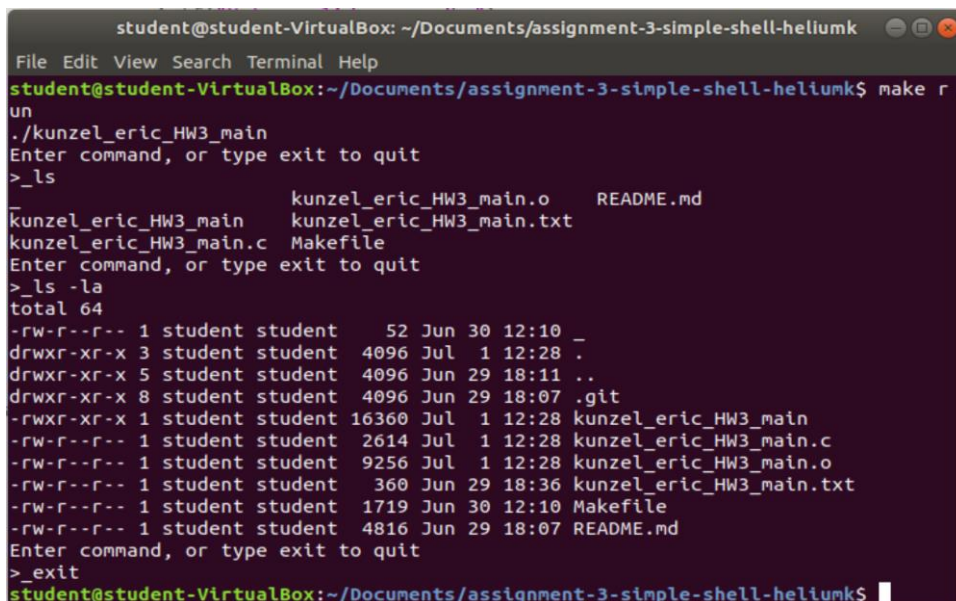


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CSC
ASSMT 3

Assignment 3 is a simple shell that will fork and exec a command given by the user. It achieves this by parsing a string and sending the tokenized string, stored in an array of strings, into the exec function after a fork. This will execute a kernel command, creating two processes, and then terminating one. This is how all new processes start, by branching from an existing process, beginning at 1, the home process. I have called two kernel commands with shell, ls, which shows the files contained within the current directory, and ls -la which gives more data on these files. The one thing I did not get around to implementing was the custom prompt from command line. For some reason the command line arguments were causing my code to fail. Also, truncating the input string is something I didn't do.



```
student@student-VirtualBox: ~/Documents/assignment-3-simple-shell-heliunk$ make r
un
./kunzel_eric_HW3_main
Enter command, or type exit to quit
>_ls
      kunzel_eric_HW3_main.o  README.md
kunzel_eric_HW3_main      kunzel_eric_HW3_main.txt
kunzel_eric_HW3_main.c    Makefile
Enter command, or type exit to quit
>_ls -la
total 64
-rw-r--r--  1 student student   52 Jun 30 12:10 _
drwxr-xr-x  3 student student 4096 Jul  1 12:28 .
drwxr-xr-x  5 student student 4096 Jun 29 18:11 ..
drwxr-xr-x  8 student student 4096 Jun 29 18:07 .git
-rwxr-xr-x  1 student student 16360 Jul  1 12:28 kunzel_eric_HW3_main
-rw-r--r--  1 student student 2614 Jul  1 12:28 kunzel_eric_HW3_main.c
-rw-r--r--  1 student student 9256 Jul  1 12:28 kunzel_eric_HW3_main.o
-rw-r--r--  1 student student  360 Jun 29 18:36 kunzel_eric_HW3_main.txt
-rw-r--r--  1 student student 1719 Jun 30 12:10 Makefile
-rw-r--r--  1 student student 4816 Jun 29 18:07 README.md
Enter command, or type exit to quit
>_exit
student@student-VirtualBox:~/Documents/assignment-3-simple-shell-heliunk$
```