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/******  
* Class: CSC-415-02 Summer 2020  
* Name: Wameedh Mohammed Ali  
* Student ID: 920678405  
* Project: C-program, Assignment 3 - Simple Shell  
*  
* File: MohammedAli_Wameedh_HW3_main  
*  
* Description: Write-up of what I did and the compilation and execution output from my  
program.  
*  
*****/
```

On Mac:

- Cloned the repo from github.
- Created MohammedAli_Wameedh_HW3_main.c
- Added the makefile.

Wrote the program which is a simple shell program that reads lines from user input, then parses and executes the commands by forking/creating new processes.

In this program I learned about the use of system call functions, fork() and wait().

Handled the errors of END, invalid input or wrong directory.

Committed and pushed to github

Testing on Linux:

- Cloned the repo from github.

Run:

```
make run
```

Output: Next page!

```
student@student-VirtualBox: ~/Desktop/CSC415/assignment-3-simple-shell-Wameedh
File Edit View Search Terminal Help
student@student-VirtualBox:~/Desktop/CSC415/assignment-3-simple-shell-Wameedh$ make run
./MohammedAli_Wameedh_HW3_main
prompt$ ls -l
total 48
-rw-r--r-- 1 student student 1727 Jun 27 23:30 Makefile
-rwxr-xr-x 1 student student 16528 Jun 27 23:30 MohammedAli_Wameedh_HW3_main
-rw-r--r-- 1 student student 2634 Jun 27 23:26 MohammedAli_Wameedh_HW3_main.c
-rw-r--r-- 1 student student 9280 Jun 27 23:30 MohammedAli_Wameedh_HW3_main.o
-rw-r--r-- 1 student student 4816 Jun 27 23:26 README.md
Child 2906, exited with 0
prompt$ ls foo
ls: cannot access 'foo': No such file or directory
Child 2907, exited with 2
prompt$ hfkshhfs
Invalid input failed. Exit with error 2
Child 2908, exited with 2
prompt$ exit
student@student-VirtualBox:~/Desktop/CSC415/assignment-3-simple-shell-Wameedh$
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