

Operating System Lab
Assignment # 3
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As of Objective:-

Designed shell supports the following features:-

- 1...The prompt printed indicates current working directory. With this It also indicate things like machine name or username.
- 2...To read in the command line, I considered the readline() function from the GNU readline library as it supports user editing of the command line.
- 3...This shell is able to place commands in the background with & at the end of the command line.
- 4...In the Shell it maintain a history of commands previously issued. The number of previous commands recorded can be a compile time constant. This is a FIFO list.
- 5...In the shell a user can repeat a previously issued command by typing ! number, where number indicates which command to repeat. !-1 would mean to repeat the last command. !1 would mean repeat the command numbered 1 in the list of command returned by history.
- 6...With all built in cammands it supports “cd,history,exit and kill “.
- 7...If the user chooses to exit while there are background processes, there is no notification come for user that these background processes exist, it simply exits.

*** To run code

- 1...GNU readline library must be installed in linux inviroment
- 2..compilation with -lreadline (as-----cc -o shell final_shell.c -lreadline)