

Overview:

The idea of this project is to emulate a simple shell including the ability to change directory, execute commands, manage jobs, see history, and handle signals. Mydash.c is the main program and includes functions that prompt the user, process commands entered, change directories, and handle signals. Jobs.c does a lot of the heavy lifting for the program as it is responsible for executing commands in both the foreground and background.

Usage:

Compile with make.

Run with ./mydash (optional parameter -v will print out the current version).

Execute commands as you would in bash. I have included loop.c which can be used for testing to compile and run in both the foreground and background. Ctrl z will stop the foreground process, bg will resume it in the background. Fg brings the last stopped process to the foreground and if followed by a pid will target that job. History can be accessed through the history command. When a background process finishes it will print out the done status. Ctrl c interrupts processes and exit will close mydash.