

OS_Assignment_01

Description of Program

Note: This file contains Description of the systems, commands to execute and test of program and the assumptions made.

Commands to be executed are:

1. Ls: ls, ls -m
2. Mkdir: mkdir [filename]
3. Cat: cat [filename]
4. Date: date -R, date -I
5. Rm: rm [filename]
6. Echo: echo -n [text], echo -e [text]

Errors handled:

1. If some file doesn't exist
2. If some unknown command used like date X, ls R
3. If getcwd fails
4. If no command given

Assumption:

1. Pwd entered with a space
2. Cd will change directory but will be shown by pwd

Description of system:

1. Part 1 consists of shell using fork, exec and wait.
2. External commands handled are ls, mkdir, cat, date, rm.
3. Internal commands handled are echo, cd, pwd.
4. Part 2 consists of shell using pthread and system call.
5. In part 2 commands can be run using &t or without them

Resources: stackoverflow, github, geeksforgeeks