

OS ASSIGNMENT-01

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1. Part1 (fork () and execl family execvp ()/execv (), wait ()):

- all Three internal commands handled
- cd, echo and pwd
- all five external commands handled
- ls, cat, date, rm, mkdir
- Exception handled with all wrong inputs

2. Part2:(pthread create () and system ())

- all three internal commands handled
- cd, echo and pwd
- all five external commands handled
- &t ls, &t cat, &t date, &t rm, &t mkdir many more

3. Exception handled with all wrong inputs

4. Test cases are:

Part1:

- ls, ls -l, ls -d
- mkdir -v new, mkdir -p new
- cd new
- rm -i [filename], rm -r filename
- echo "hello"
- pwd
- cat -s filename, cat -n filename
- date -l, date -R

Part2:

WITH &t:

- all below commands are handled
- &t ls, &t ls -i, &t ls -d

- &t mkdir -v new, &t mkdir -p new
- &t rm -i filename, &t rm -r filename
- &t cat -s filename, &t cat -n filename
- &t date -l, &t date -R

WITHOUT &t:

- All above commands will run

5. Rest assumptions will be given by me.