

How to operate :

Use make command to run the program on the terminal.

In my program I'm using 5 internal command and 5 external command.

Internal command is defined inside Main.c with the required function name.

To use external command, first I used fork command to create child process and then I used execv command to run the executable file placed in the directory.

External Commands:-

cat :

- flag used: 1) -n, --number number all output lines
- 2) -E, --show-ends display \$ at end of each line

date:

- flag used: 1) -u, --utc, --universal print or set Coordinated Universal Time (UTC)
- 2) -R, --rfc-email output date and time in RFC 5322 format.
(Example: Mon, 14 Aug 2006 02:34:56 -0600)

mkdir:

- flag used: 1) -p, --parents no error if existing, make parent directories as needed
- 2) --help display this help and exit

ls:

- flag used: 1) -a, --all do not ignore entries starting with .
- 2) -m fill width with a comma separated list of entries

rm:

- flag used 1) -i prompt before every removal
- 2) -d, --dir remove empty directories

Internal Command:-

history:

flag used:

- 1) -c clear the history list by deleting all of the entries
- 2) -w write the current history to the history file

pwd:

flag used:

- 1) -L print the names the current working directory

cd:

flag used:

- 1) -L force symbolic links to be followed: resolve symbolic links in DIR after processing instances of `..'`

echo:

flag used:

- 1) -n do not print trailing newline
- 2) --help print all details about echo command

exit:

no flag used

Assumption:

In my code I assume that the if input is entered which is space separated then it will assume that 2 different input is given & then corresponding command is executed.

Testcase:

ls
ls -a
mkdir a b c d
ls
mkdir a
mkdir -p a
mkdir --help
rm -d a b c
rm -i c
history
history -c
date
date -u
date -R
echo hello
echo -n how are you
pwd
cd ..
pwd -L
exit