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(base) [REDACTED] cmake-build-debug % ./Shas_Shell
shas-s e :cma e- u - e ug> e p
Apart from the system programs here are the following commands that have been built in the project:
cd - change the current working directory
Usage: cd <directory>

history - show the list of commands passed so far
Usage: history

help - display information about built-in commands
Usage: help

exit - exit the shell
Usage: exit

shas-shell:cmake-build-debug> cd ..
shas-shell:Shas-Shell> ls
builtin.c          CMakeLists.txt      exec.c              functions.h          README.md           tokeniser.c
cmake-build-debug  command.h           exec.dSYM           parser.c             run.c
shas-shell:Shas-Shell> cd ..
shas-shell:CLionProjects> mkdir Demo
shas-shell:CLionProjects> cd Demo
shas-shell:Demo> touch hello.txt
shas-shell:Demo> cd ..
shas-shell:CLionProjects> cd Shas-Shell
shas-shell:Shas-Shell> pwd
/Users/shaswaths/CLionProjects/Shas-Shell
shas-shell:Shas-Shell> whoami
shaswaths
shas-shell:Shas-Shell> who am i
shaswaths          ttys001            8 Dec 23:06
shas-shell:Shas-Shell> date
Mon Dec  8 23:37:01 IST 2025
shas-shell:Shas-Shell> ps
  PID TTY          TIME CMD
 1309 ttys000    0:00.28 /bin/zsh --login -i
 4074 ttys001    0:00.19 -zsh
 4331 ttys001    0:00.01 ./Shas_Shell
shas-shell:Shas-Shell> cat functions.h
#ifndef SHAS_SHELL_FUNCTIONS_H
#define SHAS_SHELL_FUNCTIONS_H

#include <stdio.h>
#include <stdlib.h>
#include "command.h"

char **tokenise(char *line);

command parse(char **tokens);

void run_cmd(char *cmd, char **args);

int checkbuiltin(char *cmd);

void helpcmd();

void cdcmd(command command);

void historycmd(char **history, int ncmd);
#endif
shas-shell:Shas-Shell> echo $HOME
/Users/shaswaths
shas-shell:Shas-Shell> echo $USER
shaswaths
shas-shell:Shas-Shell> echo $PATH
[REDACTED]

shas-shell:Shas-Shell> cd HOME
shas-shell:shaswaths> notacommand
Err exec cmd or cmd not found
shas-shell:shaswaths> cd randir
cd: cannot access randir
shas-shell:shaswaths>
shas-shell:shaswaths> cd CLionProjects
shas-shell:CLionProjects> cd Shas-Shell
shas-shell:Shas-Shell> ls -l
total 80
-rw-r--r--@ 1 shaswaths  staff  1246  8 Dec 21:33 builtin.c
drwxr-xr-x@ 12 shaswaths  staff   384  8 Dec 23:04 cmake-build-debug
-rw-r--r--@ 1 shaswaths  staff   236  3 Dec 19:47 CMakeLists.txt
-rw-r--r--@ 1 shaswaths  staff   162  8 Dec 20:51 command.h
-rw-r--r--@ 1 shaswaths  staff  3216  8 Dec 20:51 exec.c
drwxr-xr-x@ 3 shaswaths  staff    96 29 Nov 12:14 exec.dSYM
-rw-r--r--@ 1 shaswaths  staff   350  8 Dec 20:51 functions.h
-rw-r--r--@ 1 shaswaths  staff   568  8 Dec 20:51 parser.c
-rw-r--r--@ 1 shaswaths  staff  5246  8 Dec 21:20 README.md
-rw-r--r--@ 1 shaswaths  staff   455  8 Dec 20:51 run.c
-rw-r--r--@ 1 shaswaths  staff   731  8 Dec 20:51 tokeniser.c
shas-shell:Shas-Shell> cd
shas-shell:shaswaths> history
1 help
2 cd ..
3
4 cd ..
5 mkdir Demo
6 cd Demo
7 touch hello.txt
8 cd ..
9 cd Shas-Shell
10 pwd
11 whoami
12 who am i
13 date
14 ps
15 cat functions.h
16 echo $HOME
17 echo $USER
18 echo $PATH
19 cd $HOME
20 notacommand
21 cd randir
22
23 cd CLionProjects
24 cd Shas-Shell
25 ls -l
26 cd
shas-shell:shaswaths> exit
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