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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:Demos> touch hello.txt
shas-shell:Demos> cd ..
shas-shell:ClionProjects> cd Shas-Shell
shas-shell:Shas-Shell> pwd
/Users/shaswaths/ClionProjects/Shas-Shell
shas-shell:Shas-Shell> whoami
shaswaths
shaswaths: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
(base) [REDACTED] cmake-build-debug %
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