

patelkp7@compile:~/p3

```
[patelkp7@compile p3]$ ./sh257
sh257> date
Wed Dec 7 17:09:35 EST 2022
Process exited with status code 0
sh257> echo Krish Patel
Krish Patel
Process exited with status code 0
sh257> ls -l
total 84
-rwx-----. 1 patelkp7 patelkp7 23874 Dec 6 18:46 csapp.c
-rwx-----. 1 patelkp7 patelkp7 6621 Dec 6 18:46 csapp.h
-rwx-----. 1 patelkp7 patelkp7 165 Dec 6 18:46 Makefile
-rwx-----. 1 patelkp7 patelkp7 37176 Dec 7 17:09 sh257
-rwx-----. 1 patelkp7 patelkp7 7306 Dec 7 17:09 shellex.c
Process exited with status code 0
sh257> ps w
  PID TTY          STAT       TIME COMMAND
 23893 pts/113    S+          0:00 ./sh257
 24013 pts/113    R+          0:00 ps w
 95111 pts/113    Ss          0:00 -bash
Process exited with status code 0
sh257> pid
Shell process ID: 23893
sh257> ppid
Parent process ID: 95111
sh257> cd ..
sh257> ls -l
total 60
drwx-----. 2 patelkp7 patelkp7 44 Nov 27 17:22 hw6
drwx-----. 2 patelkp7 patelkp7 168 Nov 30 19:17 lab10
drwx-----. 2 patelkp7 patelkp7 97 Sep 14 17:07 lab2
drwx-----. 2 patelkp7 patelkp7 97 Sep 20 16:44 lab3
drwx-----. 2 patelkp7 patelkp7 44 Sep 29 12:48 lab4
drwx-----. 2 patelkp7 patelkp7 51 Oct 6 18:23 lab5
drwx-----. 2 patelkp7 patelkp7 50 Oct 20 20:31 lab6
drwx-----. 2 patelkp7 patelkp7 44 Oct 27 22:47 lab7
drwx-----. 2 patelkp7 patelkp7 165 Oct 31 18:30 lab8
drwx-----. 4 patelkp7 patelkp7 53 Nov 17 23:20 lab9
drwx-----. 2 patelkp7 patelkp7 106 Nov 10 20:24 p1
drwx-----. 2 patelkp7 patelkp7 184 Nov 11 21:30 p2
drwx-----. 2 patelkp7 patelkp7 106 Dec 7 17:09 p3
drwx-----. 2 patelkp7 patelkp7 10 Aug 25 12:35 perl5
-rw-----. 1 patelkp7 patelkp7 54628 Aug 25 12:43 task3.png
-rw-----. 1 patelkp7 patelkp7 515 Sep 11 17:22 TEST
Process exited with status code 0
sh257> cd p3
sh257> ls -l
total 84
-rwx-----. 1 patelkp7 patelkp7 23874 Dec 6 18:46 csapp.c
-rwx-----. 1 patelkp7 patelkp7 6621 Dec 6 18:46 csapp.h
-rwx-----. 1 patelkp7 patelkp7 165 Dec 6 18:46 Makefile
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Process exited with status code 0
sh257> █
```

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Process exited with status code 0

sh257> help

A Custom Shell for CMSC 257

- sh257

Usage:

- When running the program, use ./<program> -p <prompt> to change prompt

BUILTIN COMMANDS:

- exit: exits the shell

- pid: prints the process ID of the shell

- ppid: prints the parent process ID of the shell

- cd: prints current working directory; cd <path> changes current directory

- help: prints usage information and displays developer name for shell

SYSTEM COMMANDS:

- refer to 'man' pages for system commands

sh257> bogus

Execution failed. In fork()

bogus: Command not found

Process exited with status code 1

sh257> ^C

sh257> exit

Terminated

[patelkp7@compile p3]\$