

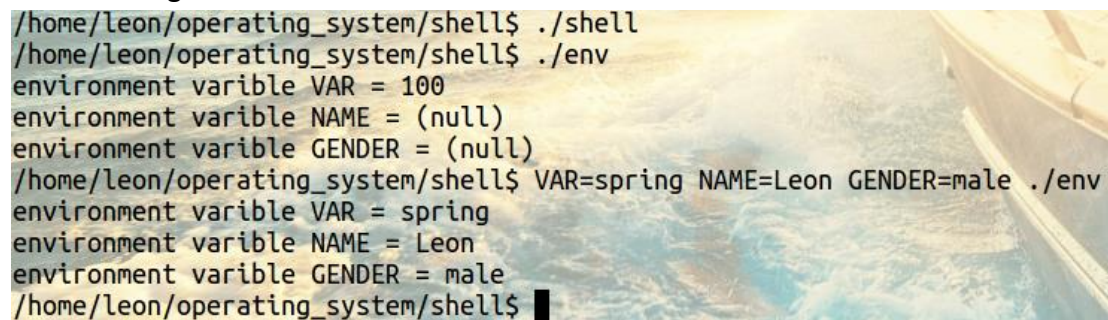
# Introduction of my Shell

Hang Shi

My shell is an individual work. She realizes all the minimum requirements and 3 optional features, along with one extension: history.

The 3 optional my shell realized are, cd, process finishing print in when in background & change the environment variables.

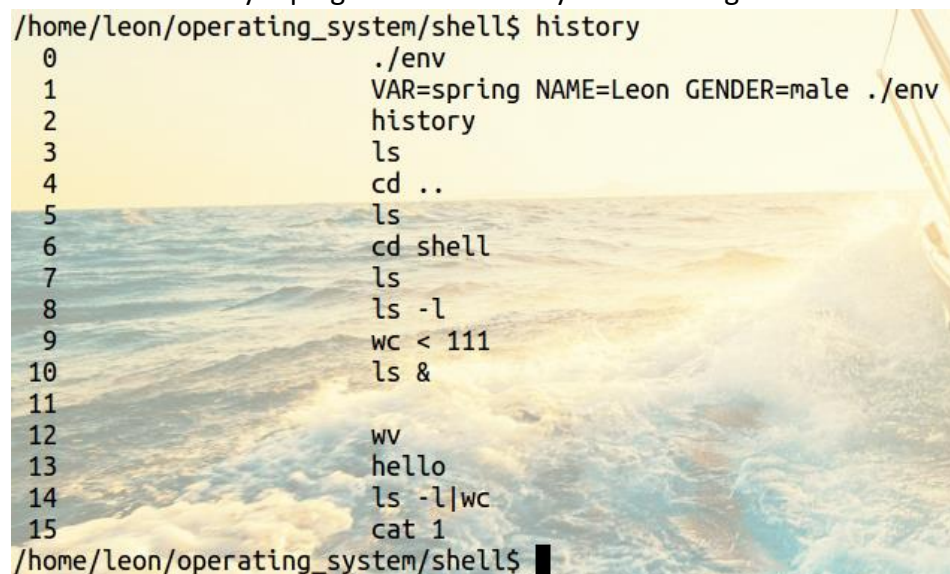
For environment variable modification, I wrote a program called env.c. It creates 3 environment called VAR, UBAL and OS, and print them all. You can compile and run it like following:

A terminal window with a background image of a boat on water. The text shows the execution of a shell script and an environment modification program.

```
/home/leon/operating_system/shell$ ./shell
/home/leon/operating_system/shell$ ./env
environment variable VAR = 100
environment variable NAME = (null)
environment variable GENDER = (null)
/home/leon/operating_system/shell$ VAR=spring NAME=Leon GENDER=male ./env
environment variable VAR = spring
environment variable NAME = Leon
environment variable GENDER = male
/home/leon/operating_system/shell$ █
```

Cd and Print-finishing are performed as the real shell.

I haven't complete the key action *up and down*. I stored all the shell history and you can watch them by taping the shell: history. As following:

A terminal window with a background image of a boat on water. The text shows the execution of the 'history' command, displaying a list of 15 shell commands.

```
/home/leon/operating_system/shell$ history
0      ./env
1      VAR=spring NAME=Leon GENDER=male ./env
2      history
3      ls
4      cd ..
5      ls
6      cd shell
7      ls
8      ls -l
9      wc < 111
10     ls &
11
12     wv
13     hello
14     ls -l|wc
15     cat 1
/home/leon/operating_system/shell$ █
```

That's all. Thank you!