

Operating System: Guide for Homework III

This is a guide for the yshell, which is the third assignment of the operating system course.

First, in the terminal, under the directory where the file “yshell.c” - which is the only source code for this assignment - is placed, you simply type the command:

```
gcc yshell.c -o yshell.out
```

After that, type

```
./yshell.out
```

and press Enter. Then we can execute a variety of commands, such as `rm <file>`, `mkdir <file>`, `ls <directory>`, etc. under my shell. The usage of commands are the same as those under most Unix-like systems. A simple command combined with many arguments is available, such as:

```
ls -a -l
```

You can also pipe at most three commands. For example,

```
ls -a | grep test
```

and

```
ls -a | grep test | ./line_number.out -C -D
```

are both available, provided that you have compiled `line_number.cpp` as `line_number.out`.

Finally, if you want to quit the yshell, you can either type “exit” or “quit” to leave. Of course, a Ctrl-C can also terminate it. No matter which command you send, the program will always send a “Bye bye ~” to inform you that you have exited the yshell.

That's all for the guide for the yshell. Hope you will enjoy it.