

# OS2021\_Project1.Shell

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## yeeshell.c

main function and function definition

## yeeshell.h

function declaration and macro definition

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## 1. Deployment

Pull from my shuishan git.

```
git clone root@gitea.shuishan.net.cn:10195501441/os2021_Project1.Shell.git
```

In the **MINIX3** environment, use clang to compile the program.

```
clang yeeshell.c -o yeeshell
```

Run yeeshell.

```
./yeeshell
```

## 2. Test Case

(1) `cd /your/path`

```
[root@yeeshell /root/OS2021_Project1.Shell]# cd /root
[root@yeeshell /root]#
```

(2) `ls -a -l`

```
[root@yeeshell /root]# ls -a -l
total 48
drwxr-xr-x  4 root  operator   704 Mar 18 18:06 .
drwxr-xr-x 17 root  operator  1408 Mar 16 10:24 ..
-rw-r--r--  1 root  operator   44 Sep 14  2014 .exerc
-rw-r--r--  1 root  operator   605 Sep 14  2014 .profile
drwx----- 2 root  operator   384 Mar 16 10:15 .ssh
drwxr-xr-x  4 root  operator   640 Mar 18 18:06 OS2021_Project1.Shell
```

(3) `ls -a -l > result.txt`



```
# vi result.txt &  
# ex/vi: Vi's standard input and output must be a terminal
```

(8) mytop

```
[root@yeeshell /root]# mytop  
memory(KBytes): 1046972 total 998812 free 995644 cached  
CPU states: 0.09% user, 0.61% system 0.70% in total
```

(9) history n

```
[root@yeeshell /root]# history 4  
ID      Commandline  
1       cd /root  
  
2       mytop  
  
3       history 5  
  
4       ls -al
```

(10) exit

```
[root@yeeshell /root]# exit  
#
```