

# 自制 Linux Shell

基础指令（部分）：

Ls [-l -a ..]

```
jason@ubuntu:~/JasonFiles/linux_shell$ make run
./test1++//记录当前个数
/home/jason/JasonFiles/linux_shell:$$ ls
a.out cc.txt command.sh Makefile test1 test1.c test1.o test2.c
/home/jason/JasonFiles/linux_shell : $$ ls -l
total 60
-rwxrwxr-x 1 jason jason 12392 Nov 20 20:49 a.out
-rw-rw-r-- 1 jason jason  0 Nov 20 20:59 cc.txt
-rw-rw-r-- 1 jason jason  74 Nov 20 21:31 command.sh
-rw-rw-r-- 1 jason jason 1137 Nov 20 22:20 Makefile
-rwxrwxr-x 1 jason jason 12420 Nov 20 22:32 test1
-rw-rw-r-- 1 jason jason 5182 Nov 20 22:32 test1.c
-rw-rw-r-- 1 jason jason 5256 Nov 20 22:32 test1.o
-rw-rw-r-- 1 jason jason  0 Nov 20 20:43 test2.c
-rw-rw-r-- 1 jason jason 660 Nov 20 22:20 test2.o
/home/jason/JasonFiles/linux_shell : $$ -s -a
failed!
/home/jason/JasonFiles/linux_shell : $$ ls -a
a.out command.sh test1 test1.o test2.o
cc.txt Makefile test1.c test2.c
/home/jason/JasonFiles/linux_shell : $$
```

Cat filename :

```
/home/jason/JasonFiles/linux_shell : $$ cat command.sh
echo "Hello World!\n";
echo "nice weather\n";
echo "or not...\n";
3 tmp[i] = NULL;
4 if (strcmp(tmp[i-1], "&")==0)//判断是否为后台处理命令
{
1   flagdo=1;
2   i--;
/home/jason/JasonFiles/linux_shell : $$ clear
```

Clear:

Grep:

```
/home/jason/JasonFiles/linux_shell : $$ grep echo command.sh
echo "Hello World!\n";
echo "nice weather\n";
echo "or not...\n";
/home/jason/JasonFiles/linux_shell : $$
```

(略)

内部指令：

Cd :

Pwd:

Exit:

```
/home/jason/JasonFiles : $$ cd linux_shell
Current dir is:/home/jason/JasonFiles/linux_shell
/home/jason/JasonFiles/linux_shell : $$
/home/jason/JasonFiles/linux_shell : $$ pwd
Current dir is:/home/jason/JasonFiles/linux_shell
/home/jason/JasonFiles/linux_shell : $$
/home/jason/JasonFiles/linux_shell : $$
/home/jason/JasonFiles/linux_shell : $$ exit
jason@ubuntu:~/JasonFiles/linux_shell$
```

管道：

```
/home/jason/JasonFiles/linux_shell: $$ cat command.sh | sort
1 t i=0;
2 while (arg) {
3     tmp[i] = arg;
4     i++; //记录命令个数
5     arg = strtok_r(NULL, " \t", &save);
6     echo "Hello World!\n";
7     echo "nice weather\n";
8     echo "or not!\n"; //判断是否为后台处理命令
9     if (flag == 1) {
10         flag = 0;
11     }
12 }
/home/jason/JasonFiles/linux_shell : $$ cat command.sh | grep echo
echo "Hello World!\n";
echo "nice weather\n";
echo "or not!\n";
/home/jason/JasonFiles/linux_shell : $$
```