

```
lt@lt-virtual-machine:~/桌面$ pwd
/home/lt/桌面
lt@lt-virtual-machine:~/桌面$ cd ~
lt@lt-virtual-machine:~$ mkdir B22040711
lt@lt-virtual-machine:~$ cd B22040711
lt@lt-virtual-machine:~/B22040711$ mkdir litong
lt@lt-virtual-machine:~/B22040711$ ls
litong
lt@lt-virtual-machine:~/B22040711$ rmdir litong
lt@lt-virtual-machine:~/B22040711$ ls
lt@lt-virtual-machine:~/B22040711$
```

题目一

```
lt@lt-virtual-machine:~/桌面$ cd ~
lt@lt-virtual-machine:~$ touch litong.txt
lt@lt-virtual-machine:~$ ls
111.txt  公共的  视频  文档  音乐  b22040711  litong.txt
222.txt  模板   图片  下载  桌面  B22040711  snap
lt@lt-virtual-machine:~$ echo "hello world" > litong.txt
lt@lt-virtual-machine:~$ cat litong.txt
hello world
lt@lt-virtual-machine:~$ cp litong.txt litong2.txt
lt@lt-virtual-machine:~$ mv litong.txt B22040711.txt
lt@lt-virtual-machine:~$ ls
111.txt  公共的  视频  文档  音乐  b22040711  B22040711.txt  snap
222.txt  模板   图片  下载  桌面  B22040711  litong2.txt
```

题目二

```
lt@lt-virtual-machine:~/桌面$ whoami
lt
lt@lt-virtual-machine:~/桌面$ sudo su root
[sudo] lt 的密码:
root@lt-virtual-machine:/home/lt/桌面# groupadd student
groupadd: group 'student' already exists
root@lt-virtual-machine:/home/lt/桌面# whoami
root
root@lt-virtual-machine:/home/lt/桌面# adduser b22040711
Adding user `b22040711' ...
Adding new group `b22040711' (1002) ...
Adding new user `b22040711' (1001) with group `b22040711' ...
Creating home directory `/home/b22040711' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for b22040711
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@lt-virtual-machine:/home/lt/桌面# usermod -g student b22040711
root@lt-virtual-machine:/home/lt/桌面# su b22040711
b22040711@lt-virtual-machine:/home/lt/桌面$ cd ~
b22040711@lt-virtual-machine:~$ touch litong.txt
b22040711@lt-virtual-machine:~$ ls -l
total 0
-rw-r--r-- 1 b22040711 student 0 12月  9 13:13 litong.txt
```

题目三

```
lt@lt-virtual-machine:~/桌面$ touch demo
lt@lt-virtual-machine:~/桌面$ chmod 777 demo
lt@lt-virtual-machine:~/桌面$ chmod a-x demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-rw-rw-rw- 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod go-w demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-rw-r--r-- 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod g+w demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-rw-rw-r-- 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod a= demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
----- 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod +t demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-----T 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod u+s demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
---S-----T 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod u+rx demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-r-s-----T 1 lt lt 0 12月  9 13:15 demo
lt@lt-virtual-machine:~/桌面$ chmod g+rws demo
lt@lt-virtual-machine:~/桌面$ ls -l demo
-r-srws--T 1 lt lt 0 12月  9 13:15 demo
```

题目四

```

lt@lt-virtual-machine:~$ tar -czvf backup.tar.gz others
others/
others/lttt.txt
others/lllt.txt
lt@lt-virtual-machine:~$ ls -l
总计 68
-rw-r--r-- 1 root root    4 11月  2 22:26 111.txt
-rw-r--r-- 1 root root    9 11月  2 22:26 222.txt
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 公共的
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 模板
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 视频
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 图片
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 文档
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 下载
drwxr-xr-x 2 lt    lt   4096 11月  2 20:23 音乐
drwxr-xr-x 3 lt    lt   4096 12月  9 13:15 桌面
drwxrwxr-x 3 lt    lt   4096 12月  9 12:55 b22040711
drwxrwxr-x 2 lt    lt   4096 12月  9 13:00 B22040711
-rw-rw-r-- 1 lt    lt    12 12月  9 13:02 B22040711.txt
-rw-rw-r-- 1 lt    lt   160 12月  9 16:34 backup.tar.gz
-rw-rw-r-- 1 lt    lt    12 12月  9 13:03 litong2.txt
drwxrwxr-x 2 lt    lt   4096 12月  9 16:31 others
drwx----- 4 lt    lt   4096 11月  2 20:26 snap
lt@lt-virtual-machine:~$ tar -xzvf backup.tar.gz
others/
others/lttt.txt
others/lllt.txt
lt@lt-virtual-machine:~$ ls -l

```

```
lt@lt-virtual-machine:~/桌面$ grep '^n' textfile
no, I study in njupt.
lt@lt-virtual-machine:~/桌面$ grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
lt@lt-virtual-machine:~/桌面$ grep '5\.. ' textfile
He is 15. It is 16.00
lt@lt-virtual-machine:~/桌面$ grep '^[wy]' textfile
```

题目五