```
#:~$pwd
/home/lhy
#:~$cd ~
#:~$mkdir Q22010111
#:~$cd Q22010111/
#:~/Q22010111$mkdir lihangyu
#:~/Q22010111$ls
lihangyu
#:~/Q22010111$rmdir lihangyu
#:~/Q22010111$ls
#:~/Q22010111$
```

```
#:~/Q22010111$cd ~
#:~$touch lihangyu.txt
#:~$ls
Desktop      Exercise      Music       Q22010111        s
Documents    github.crt    Pictures    shared-drives    T
Downloads    lihangyu.txt  Public      snap             v
#:~$echo "hellow world" > lihangyu.txt
#:~$cat lihangyu.txt
hellow world
#:~$cp lihangyu.txt lihangyu2.txt
#:~$mv lihangyu.txt Q22010111.txt
#:~$ls
Desktop      Exercise       Music       Q22010111
Documents    github.crt     Pictures    Q22010111.txt
Downloads    lihangyu2.txt  Public      shared-drives
```

```
q22010111@lhy-Virtual-Machine:~$ touch text.txt
q22010111@lhy-Virtual-Machine:~$ vim text.txt
q22010111@lhy-Virtual-Machine:~$ mv text.txt textfile
q22010111@lhy-Virtual-Machine:~$ ls
backup.tar.gz  demo  lihangyu.txt  others  textfile
q22010111@lhy-Virtual-Machine:~$ cat textfile
no, I study in njupt.
this line ends with 00
this line ends with .00
I am 25 years old.
He is 15. It is 16.00
wy is the short of my name.
q22010111@lhy-Virtual-Machine:~$ grep '^n' textfile
no, I study in njupt.
q22010111@lhy-Virtual-Machine:~$ grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
q22010111@lhy-Virtual-Machine:~$ grep '5\..' textfile
He is 15. It is 16.00
q22010111@lhy-Virtual-Machine:~$ grep '^[wy]' textfile
wy is the short of my name.
q22010111@lhy-Virtual-Machine:~$
```

```
q22010111@lhy-Virtual-Machine:~$ ls -;
ls: cannot access '-': No such file or directory
q22010111@lhy-Virtual-Machine:~$ ls -l
total 8
-rw-r--r-- 1 q22010111 student  256 10月 14 10:19 backup.tar.gz
-r-srwS--T 1 q22010111 student    0 10月 14 10:14 demo
-rw-r--r-- 1 q22010111 student    0 10月 14 10:13 lihangyu.txt
drwxr-xr-x 2 q22010111 student 4096 10月 14 10:19 others
```

```
q22010111@lhy-Virtual-Machine:~$ touch demo
q22010111@lhy-Virtual-Machine:~$ ls
demo   lihangyu.txt
q22010111@lhy-Virtual-Machine:~$ chmod 777 demo
q22010111@lhy-Virtual-Machine:~$ chmod a-x demo
q22010111@lhy-Virtual-Machine:~$ chmod go-w demo
q22010111@lhy-Virtual-Machine:~$ chmod g+w demo
q22010111@lhy-Virtual-Machine:~$ chmod a=  demo
q22010111@lhy-Virtual-Machine:~$ chmod +t demo
q22010111@lhy-Virtual-Machine:~$ chmod u+s demo
q22010111@lhy-Virtual-Machine:~$ chmod u+rx demo
q22010111@lhy-Virtual-Machine:~$ chmod g+rws demo
q22010111@lhy-Virtual-Machine:~$ ls -l demo
-r-srwS--T 1 q22010111 student 0 10月 14 10:14 demo
q22010111@lhy-Virtual-Machine:~$ ls
demo   lihangyu.txt
```

```
q22010111@lhy-Virtual-Machine:~$ mkdir others
q22010111@lhy-Virtual-Machine:~$ ls
demo  lihangyu.txt  others
q22010111@lhy-Virtual-Machine:~$ cd others/
q22010111@lhy-Virtual-Machine:~/others$ ls
q22010111@lhy-Virtual-Machine:~/others$ touch a.txt
q22010111@lhy-Virtual-Machine:~/others$ touch b.txt
q22010111@lhy-Virtual-Machine:~/others$ ls
a.txt  b.txt
q22010111@lhy-Virtual-Machine:~/others$ tar -czvf backup.tar.gz others
tar: others: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
q22010111@lhy-Virtual-Machine:~/others$ cd ..
q22010111@lhy-Virtual-Machine:~$ tar -czvf backup.tar.gz others
others/
others/b.txt
others/a.txt
others/backup.tar.gz
q22010111@lhy-Virtual-Machine:~$ ls -l
total 8
-rw-r--r-- 1 q22010111 student  256 10月 14 10:19 backup.tar.gz
-r-srwS--T 1 q22010111 student    0 10月 14 10:14 demo
-rw-r--r-- 1 q22010111 student    0 10月 14 10:13 lihangyu.txt
drwxr-xr-x 2 q22010111 student 4096 10月 14 10:19 others
q22010111@lhy-Virtual-Machine:~$ tar -xzvf backup.tar.gz
others/
others/b.txt
others/a.txt
others/backup.tar.gz
q22010111@lhy-Virtual-Machine:~$ ls -;
ls: cannot access '-': No such file or directory
q22010111@lhy-Virtual-Machine:~$ ls -l
total 8
-rw-r--r-- 1 q22010111 student  256 10月 14 10:19 backup.tar.gz
```