(1)

$pwd

$cd ~

$mkdir your_studentID

$cd your_studentID

$mkdir your_name

$ls

$rmdir your_name

$ls

```
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/桌面$ pwd
/home/kuroheimi/桌面
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/桌面$ cd ~
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ mkdir B22040712
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ cd B22040712
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/B22040712$ mkdir Yth
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/B22040712$ ls
Yth
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/B22040712$ rmdir Yth
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/B22040712$ ls
kuroheimi@kuroheimi-VMware-Virtual-Platform:~/B22040712$
```

(2)

$cd ~

$touch yourname.txt

$ls

$echo "hello world" > yourname.txt

$cat yourname.txt

$cp yourname.txt yourname2.txt

$mv yourname.txt yourstudentid.txt

$ls

```
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ touch Yth.txt
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ ls
公共  模板  视频  图片  文档  下载  音乐  桌面  B22040712  git  snap  Yth.txt
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ echo "hello world" > Yth.txt
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ cat Yth.txt
hello world
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ cp Yth.txt Yth2.txt
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ mv Yth.txt Yth2.txt
kuroheimi@kuroheimi-VMware-Virtual-Platform:~$ ls
公共  模板  视频  图片  文档  下载  音乐  桌面  B22040712  git  snap  Yth2.txt
```

(3)

```
$whoami
$sudo su  root

#groupadd student
#whoami
#adduser yourstudentID
#usermod  -g student yourstudentID

#su yourstudentID
$cd  ~
$touch yourname.txt
$ls  -l
```



```
info: 正在添加新用户"B22040712"到附加组"users" ...
info: 正在添加用户"B22040712"到"users"组...
root@kuroheimi-VMware-Virtual-Platform:/home/kuroheimi# su B22040712
B22040712@kuroheimi-VMware-Virtual-Platform:/home/kuroheimi$ cd ~
B22040712@kuroheimi-VMware-Virtual-Platform:~$ touch Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
```

(4)

```
  $ touch demo
$ chmod 777 demo
$ chmod a-x demo       # result is rw-rw-rw-
$ chmod go-w demo       # result is rw-r--r--
$ chmod g+w demo        # result is rw-rw-r--
$ chmod a=   demo        # result is ---------
$ chmod +t demo        # result is --------T
$ chmod u+s demo        # result is --S-----T
$ chmod u+rx demo        # result is r-s-----T
$ chmod g+rws demo        # result is r-srwS--T
```

```
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod a-x demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-rw-rw- 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod go-x demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-rw-rw- 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod g+w demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-rw-rw- 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod a= demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
---------- 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod +t demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
---------T 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod u+s demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
---S-----T 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod u+rx demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-r-s-----T 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ chmod g+rws demo
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 0
-r-srwS--T 1 B22040712 B22040712 0 10月  14 10:21 demo
-rw-rw-r-- 1 B22040712 B22040712 0 10月  14 10:18 Yth.txt
```

(5)

```
$tar  -czvf backup.tar.gz others
$ls  -l
$tar  -xzvf backup.tar.gz
$ls  -lObserve changes in the process.
```

Create a textfile file and make it as follows:

Search for all lines beginning with the character "n" in the file textfile Search the tex Search for all lines in the textfile that contain the number 5, followed by the character ".", followed
by any character
Search for all lines starting with the characters "w" and "y" in the file 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.

```
$ grep '^n' textfile
$ grep '\.00$' textfile
$ grep '5\..' textfile
$ grep '^[wy]'textfile
```
tfile for all lines ending in ".00"

```
B22040712@kuroheimi-VMware-Virtual-Platform:~$ mkdir others
B22040712@kuroheimi-VMware-Virtual-Platform:~$ cd others
B22040712@kuroheimi-VMware-Virtual-Platform:~/others$ touch 123.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~/others$ touch 456.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~/others$ tar -czvf backup.tar.gz others
tar: others: 无法 stat: 没有那个文件或目录
tar: 由于前次错误，将以上次的错误状态退出
B22040712@kuroheimi-VMware-Virtual-Platform:~/others$ cd
B22040712@kuroheimi-VMware-Virtual-Platform:~$ tar -czvf backup.tar.gz others
others/
others/123.txt
others/backup.tar.gz
others/456.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 8
-rw-rw-r-- 1 B22040712 B22040712  252 10月  14 10:26 backup.tar.gz
-r-srwS--T 1 B22040712 B22040712    0 10月  14 10:21 demo
drwxrwxr-x 2 B22040712 B22040712 4096 10月  14 10:26 others
-rw-rw-r-- 1 B22040712 B22040712    0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ tar -xzvf backup.tar.gz
others/
others/123.txt
others/backup.tar.gz
others/456.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls-l
ls-l: 未找到命令
B22040712@kuroheimi-VMware-Virtual-Platform:~$ ls -l
总计 8
-rw-rw-r-- 1 B22040712 B22040712  252 10月  14 10:26 backup.tar.gz
-r-srwS--T 1 B22040712 B22040712    0 10月  14 10:21 demo
drwxrwxr-x 2 B22040712 B22040712 4096 10月  14 10:26 others
-rw-rw-r-- 1 B22040712 B22040712    0 10月  14 10:18 Yth.txt
B22040712@kuroheimi-VMware-Virtual-Platform:~$
```