

1.1 Enter the following commands in sequence:

```
$pwd
```

```
$cd ~
```

```
$mkdir your_studentID
```

```
$cd your_studentID
```

```
$mkdir your_name
```

```
$ls
```

```
$rmdir your_name
```

```
$ls
```

```
ww@ww-virtual-machine:~/桌面$ mkdir B22040705
ww@ww-virtual-machine:~/桌面$ cd B22040705
ww@ww-virtual-machine:~/桌面/B22040705$ mkdir mxl
ww@ww-virtual-machine:~/桌面/B22040705$ ls
mxl
ww@ww-virtual-machine:~/桌面/B22040705$ rmdir mxl
ww@ww-virtual-machine:~/桌面/B22040705$ ls
ww@ww-virtual-machine:~/桌面/B22040705$
```

1.2

```
$cd ~
```

```
$touch yourname.txt
```

```
$ls
```

```
$echo "hello world" > yourname.txt
```

```
$cat yourname.txt
```

```
$cp yourname.txt yourname2.txt
```

```
$mv yourname.txt yourstudentid.txt
```

```
$ls
```

```
ww@ww-virtual-machine:~/桌面$ cd ~
ww@ww-virtual-machine:~$ touch mxl.txt
ww@ww-virtual-machine:~$ ls
公共的 模板 视频 图片 文档 下载 音乐 桌面 mxl.txt snap ww.txt
ww@ww-virtual-machine:~$ ls
公共的 模板 视频 图片 文档 下载 音乐 桌面 mxl.txt snap
ww@ww-virtual-machine:~$ echo "hello world" > mxl.txt
ww@ww-virtual-machine:~$ cat mxl.txt
hello world
ww@ww-virtual-machine:~$ $cp mxl.txt mxl2.txt
mxl.txt: 未找到命令
ww@ww-virtual-machine:~$ cp mxl.txt mxl2.txt
ww@ww-virtual-machine:~$ $mv mxl.txt B22040705.txt
mxl.txt: 未找到命令
ww@ww-virtual-machine:~$ mv mxl.txt B22040705.txt
ww@ww-virtual-machine:~$ ls
公共的 模板 视频 图片 文档 下载 音乐 桌面 B22040705.txt mxl2.txt snap
ww@ww-virtual-machine:~$ cat B22040705.txt
hello world
ww@ww-virtual-machine:~$
```

1.3 Enter the following commands in sequence:

```
$whoami  
$sudo su root
```

Enter the password of the current logged-in user, not the root password, and then

enter:

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

Follow the prompts to create the user and add the user to the student group.

Switch to the user.

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

View the properties of the file, including the owner user and the group to which the owner user belongs.

```
ww@ww-virtual-machine:~/桌面$ whoami
ww
ww@ww-virtual-machine:~/桌面$ sudo su root
[sudo] ww 的密码:
root@ww-virtual-machine:/home/ww/桌面# whoami
root
root@ww-virtual-machine:/home/ww/桌面# groupadd student
groupadd: "student"组已存在
root@ww-virtual-machine:/home/ww/桌面# whoami
root
root@ww-virtual-machine:/home/ww/桌面# adduser b22040705
adduser: 用户"b22040705"已经存在。
root@ww-virtual-machine:/home/ww/桌面# usermod -g users b22040705
usermod: 无改变
root@ww-virtual-machine:/home/ww/桌面# su b22040705
b22040705@ww-virtual-machine:/home/ww/桌面$ cd ~
b22040705@ww-virtual-machine:~$ touch mxl.txt
b22040705@ww-virtual-machine:~$ ls -l
mxl.txt
b22040705@ww-virtual-machine:~$
```

1.4 Enter the following commands in sequence:

```
$ 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
```

```

ww@ww-virtual-machine:~/桌面$ touch demo
ww@ww-virtual-machine:~/桌面$ chmod 777 demo
ww@ww-virtual-machine:~/桌面$ chmod a-x demo # result is rw-rw-rw-
ww@ww-virtual-machine:~/桌面$ chmod go-w demo # result is rw-r--r--
ww@ww-virtual-machine:~/桌面$ chmod g+w demo # result is rw-rw-r--
ww@ww-virtual-machine:~/桌面$ chmod a= demo # result is -----
ww@ww-virtual-machine:~/桌面$ chmod +t demo # result is -----T
ww@ww-virtual-machine:~/桌面$ chmod u+s demo # result is --S-----T
ww@ww-virtual-machine:~/桌面$ chmod u+rx demo # result is r-s-----T
ww@ww-virtual-machine:~/桌面$ chmod g+rws demo # result is r-srws--
ww@ww-virtual-machine:~/桌面$ ls -l
1
1.c
2.c
2.sh
czxt
czxt.c
demo
mxl.c
ww@ww-virtual-machine:~/桌面$ ls -l demo
demo

```

After entering each line, run `ls -l demo` to view the result.

1.5###(5) Other management

Create folder "others" in the main directory of the user, go to the folder, and create two files with

the name of any file. Then run the following commands in sequence.

```

$ 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

```
ww@ww-virtual-machine:~$ grep '^n' mxl.txt
no, I study in njupt.
ww@ww-virtual-machine:~$ grep '5\.. ' mxl.txt
He is 15. It is 16.00
ww@ww-virtual-machine:~$ grep '^[wy]' mxl.txt
wy is the short of my name.
ww@ww-virtual-machine:~$ grep '\.00$' mxl.txt
this line ends with .00
He is 15. It is 16.00
ww@ww-virtual-machine:~$
```