

3. Experiment Step

(1) Directory Operation

Enter the following commands in sequence:

```
$pwd
$cd ~
$mkdir your_studentID
$cd your_studentID
$mkdir your_name
$ls
$rmkdir your_name
$ls
```

Save a screenshot of the above command along with the corresponding results, you must have your student number and name.



```
86184@MINGW64 ~/Desktop/我的作业
$ pwd
/c/Users/86184/Desktop/我的作业

86184@MINGW64 ~/Desktop/我的作业
$ cd ~

86184@MINGW64 ~
$ pwd
/c/Users/86184

86184@MINGW64 ~
$ mkdir B22090233

86184@MINGW64 ~
$ mkdir 蒋卫华

86184@MINGW64 ~
$ ls

86184@MINGW64 ~
$ rmdir 蒋卫华

86184@MINGW64 ~
$
```

(2) File operation

Enter the following commands in sequence:

```
$cd ~
$touch yourname.txt
$ls
$echo "hello world" > yourname.txt
$cat yourname.txt
$cp yourname.txt yourname2.txt
$mv yourname.txt yourstudentid.txt
$ls
```

Save a screenshot of the above command along with the corresponding results, you must have your student number and name.

```
> > 终端
● $ touch 蒋卫华.txt

86184@□□ MINGW64 ~
● $ cd 蒋卫华.txt
bash: cd: 蒋卫华.txt: Not a directory

86184@□□ MINGW64 ~
● $ echo "hello world" > 蒋卫华.txt

86184@□□ MINGW64 ~
● $ cat 蒋卫华.txt
hello world

86184@□□ MINGW64 ~
● $ cp 蒋卫华.txt 蒋卫华2.txt

86184@□□ MINGW64 ~
● $ mv 蒋卫华.txt B22090233.txt

86184@□□ MINGW64 ~
● $ ls
_viminfo
「开始」菜单@
'3D Objects'/
50年后鱼的迁徙.png
50年苏格兰鲑鱼迁徙.png
AppData/
'Application Data'@
B22090233/
```

(3)User Management

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.

```
root@ubuntu: /home/jiangweihua/Desktop
jiangweihua@ubuntu:~/Desktop$ whoami
jiangweihua
jiangweihua@ubuntu:~/Desktop$ sudo su root
[sudo] password for jiangweihua:
root@ubuntu: /home/jiangweihua/Desktop# group add B22090233
Command 'group' not found, did you mean:
  command 'groups' from deb coreutils (8.30-3ubuntu2)
  command 'grop' from deb grop (2:0.10-1.1build1)
Try: apt install <deb name>
root@ubuntu: /home/jiangweihua/Desktop# groupadd B22090233
root@ubuntu: /home/jiangweihua/Desktop# whoami
root
```

```
root@ubuntu:/home/jiangweihua/Desktop# touch demo
root@ubuntu:/home/jiangweihua/Desktop# chmod 777 demo
root@ubuntu:/home/jiangweihua/Desktop# chmod a-x demo
root@ubuntu:/home/jiangweihua/Desktop# chmod go-w demo
root@ubuntu:/home/jiangweihua/Desktop#
```

```
root@ubuntu:/home/jiangweihua/Desktop# grep '^n' textfile
>
>
> ^C
root@ubuntu:/home/jiangweihua/Desktop# vim textfile
root@ubuntu:/home/jiangweihua/Desktop# grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
root@ubuntu:/home/jiangweihua/Desktop# grep '5\..' textfile
He is 15. It is 16.00
root@ubuntu:/home/jiangweihua/Desktop# grep '^[wy]'textfile
^C
root@ubuntu:/home/jiangweihua/Desktop# grep '^[wy]'textfile
```