

(1) Directory Operation

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ pwd
/home/shenxi/桌面
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ cd ~
shenxi@shenxi-VMware-Virtual-Platform:~$ mkdir b22040614
shenxi@shenxi-VMware-Virtual-Platform:~$ cd b22040614
shenxi@shenxi-VMware-Virtual-Platform:~/b22040614$ mkdir shenxi
shenxi@shenxi-VMware-Virtual-Platform:~/b22040614$ ls
shenxi
shenxi@shenxi-VMware-Virtual-Platform:~/b22040614$ rmdir shenxi
shenxi@shenxi-VMware-Virtual-Platform:~/b22040614$ ls
shenxi@shenxi-VMware-Virtual-Platform:~/b22040614$
```

(2) File operation

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ cd ~
shenxi@shenxi-VMware-Virtual-Platform:~$ touch shenxi.txt
shenxi@shenxi-VMware-Virtual-Platform:~$ ls
公共 模板 视频 图片 文档 下载 音乐 桌面 b22040614 shenxi.txt snap
shenxi@shenxi-VMware-Virtual-Platform:~$ echo "hello world" > shenxi.txt
shenxi@shenxi-VMware-Virtual-Platform:~$ cat shenxi.txt
hello world
shenxi@shenxi-VMware-Virtual-Platform:~$ cp shenxi.txt shenxi2.txt
shenxi@shenxi-VMware-Virtual-Platform:~$ mv shenxi.txt b22040614.txt
shenxi@shenxi-VMware-Virtual-Platform:~$ ls
公共 视频 文档 音乐 b22040614 shenxi2.txt
模板 图片 下载 桌面 b22040614.txt snap
shenxi@shenxi-VMware-Virtual-Platform:~$
```

(3) User Management

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ sudo su root
[sudo] shenxi 的密码:
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# groupadd student
groupadd: "student"组已存在
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# whoami
root
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# adduser b22040614
fatal: 用户 "b22040614"已经存在。
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# user -g student b22040614
找不到命令 "user", 您的意思是:
  "users" 命令来自 Debian 软件包 coreutils (9.4-2ubuntu2)
  "user" 命令来自 Debian 软件包 usermin (1.2.1~beta4)
  "fuser" 命令来自 Debian 软件包 psmisc (23.6-1)
  "iuser" 命令来自 Debian 软件包 ipmiutil (3.1.9-3)
尝试 apt install <deb name>
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# usermod -g student b22040614
root@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面# su b22040614
b22040614@shenxi-VMware-Virtual-Platform:/home/shenxi/桌面$ cd ~
b22040614@shenxi-VMware-Virtual-Platform:~$ touch shenxi.txt
b22040614@shenxi-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-r--r-- 1 b22040614 student 0 10月 14 10:06 shenxi.txt
b22040614@shenxi-VMware-Virtual-Platform:~$
```

(4) Permission management

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ touch demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod 777 demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod a-x demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ ls -l
总计 4
-rwxrw-r-- 1 shenxi shenxi 183 10月 12 11:14 1.sh
-rw-rw-rw- 1 shenxi shenxi  0 10月 14 10:08 demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod go-w demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod g+w demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod a= demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ ls -l
总计 4
-rwxrw-r-- 1 shenxi shenxi 183 10月 12 11:14 1.sh
----- 1 shenxi shenxi  0 10月 14 10:08 demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod +t demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod u+s demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod u+rx demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ chmod g+rws demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ ls -l
总计 4
-rwxrw-r-- 1 shenxi shenxi 183 10月 12 11:14 1.sh
-r-srwS--T 1 shenxi shenxi  0 10月 14 10:08 demo
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$
```

(5) Other management

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面/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
shenxi@shenxi-VMware-Virtual-Platform:~/桌面/others$ ls -l
总计 12
drwxrwxr-x 2 shenxi shenxi 4096 10月 14 10:19 1
drwxrwxr-x 2 shenxi shenxi 4096 10月 14 10:19 2
-rw-rw-r-- 1 shenxi shenxi  45 10月 14 10:33 backup.tar.gz
shenxi@shenxi-VMware-Virtual-Platform:~/桌面/others$ tar -xzvf backup.tar.gz
shenxi@shenxi-VMware-Virtual-Platform:~/桌面/others$ ls -l
总计 12
drwxrwxr-x 2 shenxi shenxi 4096 10月 14 10:19 1
drwxrwxr-x 2 shenxi shenxi 4096 10月 14 10:19 2
-rw-rw-r-- 1 shenxi shenxi  45 10月 14 10:33 backup.tar.gz
shenxi@shenxi-VMware-Virtual-Platform:~/桌面/others$
```

```
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ touch textfile
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ grep '^n' textfile
no,I study in njupt.
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ grep '5\..' textfile
He is 15. It is 16.00
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ grep '^[wy]'textfile
^C
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$ grep '^[wy]' textfile
wy is the short of my name
shenxi@shenxi-VMware-Virtual-Platform:~/桌面$
```