

# 实验一

## 3 实验步骤

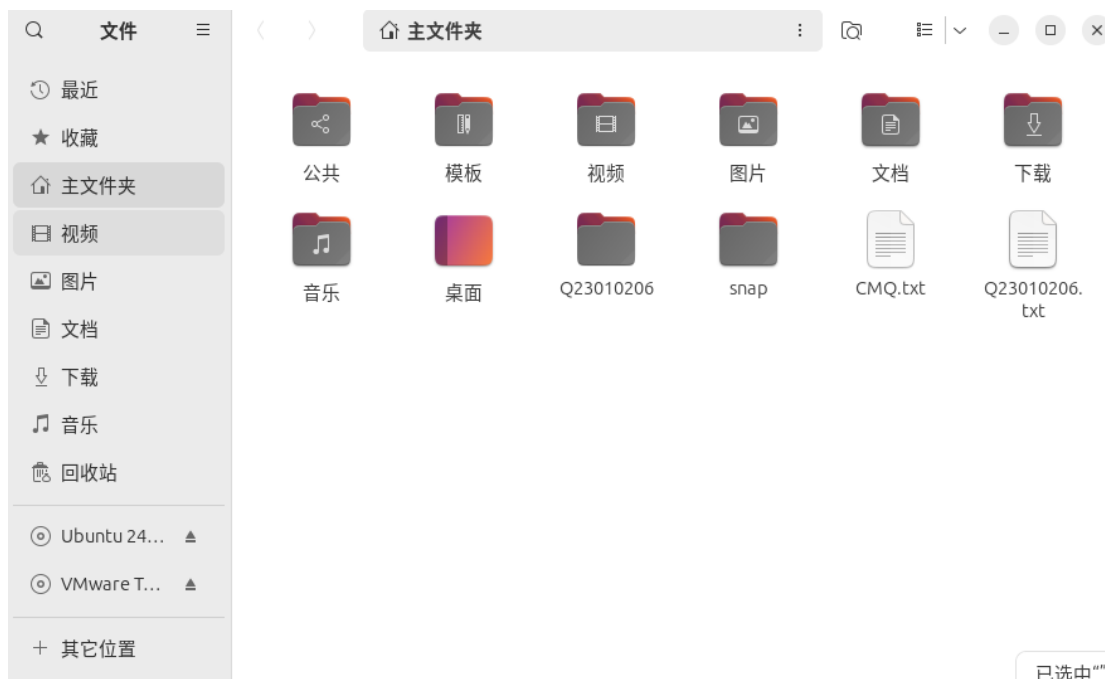
(1)、目录操作

```
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ pwd
/home/uiqgnem
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cd ~
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ mkdir Q23010206
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cd Q23010206
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$ mkdir ChenMengqiu
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$ ls
ChenMengqiu
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$ rmdir ChenMengqiu
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$ ls
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$
```



## (2)、文件操作

```
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/Q23010206$ cd ~
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ touch ChenMengqiu.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ ls
公共 模板 视频 图片 文档 下载 音乐 桌面 ChenMengqiu.txt Q23010206 snap
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "hello world">ChenMengqiu.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cat ChenMengqiu.txt
hello world
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cp ChenMengqiu.txt CMQ.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ mv ChenMengqiu.txt Q23010206.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ ls
公共 模板 视频 图片 文档 下载 音乐 桌面 CMQ.txt Q23010206 Q23010206.txt snap
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$
```



### (3)、用户管理

```
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ whoami
uiqgnem
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ sudo su root
[sudo] uiqgnem 的密码:
root@uiqgnem-VMware-Virtual-Platform:/home/uiqgnem# groupadd student
groupadd: "student"组已存在
root@uiqgnem-VMware-Virtual-Platform:/home/uiqgnem# whoami
root
```

```
root@uiqgnem-VMware-Virtual-Platform:~# adduser q23010206
info: 正在添加用户 "q23010206"...
info: 从 1000 到 59999 中选择 UID/GID...
info: 正在添加新组 "q23010206" (1002)...
info: 正在添加新用户 "q23010206" (1002) 到组 "q23010206 (1002)"...
info: 创建主目录 "/home/q23010206"...
info: 正在从 "/etc/skel"复制文件...
新的密码:
重新输入新的密码:
抱歉，密码不匹配。
新的密码:
无效的密码: 密码少于 8 个字符
重新输入新的密码:
抱歉，密码不匹配。
新的密码:
重新输入新的密码:
passwd: 已成功更新密码
正在改变 q23010206 的用户信息
请输入新值，或直接敲回车键以使用默认值
    全名 []: q23010206
    房间号码 []: 1002
    工作电话 []:
    家庭电话 []:
    其它 []:
这些信息是否正确? [Y/n] y
info: 正在添加新用户 "q23010206"到附加组 "users" ...
info: 正在添加用户 "q23010206"到 "users"组...
root@uiqgnem-VMware-Virtual-Platform:~#
```

```
root@uiqgnem-VMware-Virtual-Platform:~# su st01
su: user st01 does not exist or the user entry does not contain all the required fields
root@uiqgnem-VMware-Virtual-Platform:~# cd ~
root@uiqgnem-VMware-Virtual-Platform:~# touch ChenMengqiu.txt
root@uiqgnem-VMware-Virtual-Platform:~# ls -l
总计 4
-rw-r--r-- 1 root root    0 10月 31 14:44 ChenMengqiu.txt
-rwxrwxrwx 1 root root    0 10月 31 14:29 demo
drwx----- 6 root root 4096 10月 20 18:29 snap
root@uiqgnem-VMware-Virtual-Platform:~#
```

#### (4)、权限管理

```
root@uiqgnem-VMware-Virtual-Platform:~# touch demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-rw-rw-rw- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod 777 demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-rwxrwxrwx 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod a-x demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-rw-rw-rw- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod go-w demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-rw-r--r-- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod g+w demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-rw-rw-r-- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod a= demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
----- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod u+s demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
---S----- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod u+rs demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-r-S----- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~# chmod g+rws demo
root@uiqgnem-VMware-Virtual-Platform:~# ls -l demo
-r-SrwS--- 1 root root 0 10月 31 14:49 demo
root@uiqgnem-VMware-Virtual-Platform:~#
```

## (5)、其他管理

```
/home/uiqgnem
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cd ~
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ mkdir others
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cd others
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ touch file1 file2
uiqgnem@uiqgnem-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
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ ls -l
总计 4
-rw-rw-r-- 1 uiqgnem uiqgnem 45 10月 31 15:02 backup.tar.gz
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file1
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file2
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ tar -xzvf backup.tar.gz.others
tar (child): backup.tar.gz.others: 无法 open: 没有那个文件或目录
tar (child): Error is not recoverable: exiting now
tar: Child returned status 2
tar: Error is not recoverable: exiting now
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ ls -l
总计 4
-rw-rw-r-- 1 uiqgnem uiqgnem 45 10月 31 15:02 backup.tar.gz
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file1
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file2
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ tar -xzvf backup.tar.gz
uiqgnem@uiqgnem-VMware-Virtual-Platform:~/others$ ls -l
总计 4
-rw-rw-r-- 1 uiqgnem uiqgnem 45 10月 31 15:02 backup.tar.gz
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file1
-rw-rw-r-- 1 uiqgnem uiqgnem 0 10月 31 15:01 file2
```

```
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ cd ~
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ touch textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ ls
公共 视频 文档 音乐 CMQ.txt Q23010206 snap
模板 图片 下载 桌面 others Q23010206.txt textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "no, I study in njupt.">textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "this line ends with 00">>textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "this line ends with .00">>textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "I am 25 years old.">>textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "He is 15. It is 16.00">>textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ echo "wy is the short of my name.">>textfile.txt
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ grep '^n' textfile
grep: textfile: 没有那个文件或目录
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ grep '^n' textfile.txt
no, I study in njupt.
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ grep '\.00$' textfile.txt
this line ends with .00
He is 15. It is 16.00
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ grep '5\..' textfile.txt
He is 15. It is 16.00
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$ grep '^[wy]' textfile.txt
wy is the short of my name.
uiqgnem@uiqgnem-VMware-Virtual-Platform:~$
```

打开(O) ▾

textfile.txt

~/



```
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.
```