（1）



```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

xuechunying@xuechunying-VMware-Virtual-Platform:~/桌面$ pwd
/home/xuechunying/桌面
xuechunying@xuechunying-VMware-Virtual-Platform:~/桌面$ cd ~
xuechunying@xuechunying-VMware-Virtual-Platform:~$ mkdir b22041623
xuechunying@xuechunying-VMware-Virtual-Platform:~$ cd b22041623
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ XueChunying
XueChunying: 未找到命令
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ mkdir XueChunying
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ ls
XueChunying
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ rmdir XueChunying
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ ls
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$
```

（2）



```
xuechunying@xuechunying-VMware-Virtual-Platform:~/b22041623$ cd ~
xuechunying@xuechunying-VMware-Virtual-Platform:~$ touch XueChunying.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$ ls
公共  模板  视频  图片  文档  下载  音乐  桌面  b22041623  snap  XueChunying.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$ echo "hello world" > XueChunying.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$ cat XueChunying.txt
hello world
xuechunying@xuechunying-VMware-Virtual-Platform:~$ cp XueChunying.txt XueChunying2.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$ mv XueChunying.txt b22041623.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$ ls
公共  模板  视频  图片  文档  下载  音乐  桌面  b22041623  b22041623.txt  snap  XueChunying2.txt
xuechunying@xuechunying-VMware-Virtual-Platform:~$
```

（3）



```
xuechunying@xuechunying-VMware-Virtual-Platform:~$ whoami
xuechunying
xuechunying@xuechunying-VMware-Virtual-Platform:~$ sudo su root
[sudo] xuechunying 的密码：

对不起，请重试。
[sudo] xuechunying 的密码：
对不起，请重试。
[sudo] xuechunying 的密码：
root@xuechunying-VMware-Virtual-Platform:/home/xuechunying# groupadd student
root@xuechunying-VMware-Virtual-Platform:/home/xuechunying# whoami
root
root@xuechunying-VMware-Virtual-Platform:/home/xuechunying# adduser b22041623
info: 正在添加用户"b22041623"...
info: 从 1000 到 59999 中选择 UID/GID...
info: 正在添加新组"b22041623" (1002)...
info: 正在添加新用户"b22041623" (1002) 到组"b22041623 (1002)"...
info: 创建主目录"/home/b22041623"...
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：
重新输入新的密码：
passwd: 已成功更新密码
```

```
正在改变 b22041623 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 []: XueChunying
        房间号码 []: 108
        工作电话 []: 12345678912
        家庭电话 []: 12345678
        其它 []:
这些信息是否正确？ [Y/n] Y
info: 正在添加新用户"b22041623"到附加组"users" ...
info: 正在添加用户"b22041623"到"users"组...
root@xuechunying-VMware-Virtual-Platform:/home/xuechunying# usermod -g student b22041623
root@xuechunying-VMware-Virtual-Platform:/home/xuechunying# su b22041623
b22041623@xuechunying-VMware-Virtual-Platform:/home/xuechunying$ cd ~
b22041623@xuechunying-VMware-Virtual-Platform:~$ touch XueChunying.txt
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l
总计 0
-rw-r--r-- 1 b22041623 student 0 10月 18 08:32 XueChunying.txt
```

（4）

```
b22041623@xuechunying-VMware-Virtual-Platform:~$ touch demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod 777 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-rwxrwxrwx 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod a-x demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-rw-rw-rw- 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod go-w demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-rw-r--r-- 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod g+w demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-rw-rw-r-- 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod a= demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
---------- 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod +t demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
---------T 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod u+s demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
---S-----T 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod u+rx demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-r-s-----T 1 b22041623 student 0 10月 18 08:38 demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ chmod g+rws demo
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l demo
-r-srwS--T 1 b22041623 student 0 10月 18 08:38 demo
```

（5）

```
b22041623@xuechunying-VMware-Virtual-Platform:~$ rmdir others
b22041623@xuechunying-VMware-Virtual-Platform:~$ mkdir others
b22041623@xuechunying-VMware-Virtual-Platform:~$ touch xcy1.txt
b22041623@xuechunying-VMware-Virtual-Platform:~$ touch xcy2.txt
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls
demo   others   xcy1.txt   xcy2.txt   XueChunying.txt
b22041623@xuechunying-VMware-Virtual-Platform:~$ cd ~
```

```
b22041623@xuechunying-VMware-Virtual-Platform:~$ tar -czvf backup.tar.gz others
others/
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l
总计 8
-rw-r--r-- 1 b22041623 student  125 10月  18 09:00 backup.tar.gz
-r-srwS--T 1 b22041623 student    0 10月  18 08:38 demo
drwxr-xr-x 2 b22041623 student 4096 10月  18 08:58 others
-rw-r--r-- 1 b22041623 student    0 10月  18 08:58 xcy1.txt
-rw-r--r-- 1 b22041623 student    0 10月  18 08:58 xcy2.txt
-rw-r--r-- 1 b22041623 student    0 10月  18 08:32 XueChunying.txt
b22041623@xuechunying-VMware-Virtual-Platform:~$ tar -xzvf backup.tar.gz
others/
b22041623@xuechunying-VMware-Virtual-Platform:~$ ls -l
总计 8
-rw-r--r-- 1 b22041623 student  125 10月  18 09:00 backup.tar.gz
-r-srwS--T 1 b22041623 student    0 10月  18 08:38 demo
drwxr-xr-x 2 b22041623 student 4096 10月  18 08:58 others
-rw-r--r-- 1 b22041623 student    0 10月  18 08:58 xcy1.txt
-rw-r--r-- 1 b22041623 student    0 10月  18 08:58 xcy2.txt
-rw-r--r-- 1 b22041623 student    0 10月  18 08:32 XueChunying.txt
```

```
b22041623@xuechunying-VMware-Virtual-Platform:~$ nano textfile
b22041623@xuechunying-VMware-Virtual-Platform:~$ grep '^n' textfile
no, I study in njupt.
b22041623@xuechunying-VMware-Virtual-Platform:~$ grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
b22041623@xuechunying-VMware-Virtual-Platform:~$ grep '$\..' textfile
```

```
b22041623@xuechunying-VMware-Virtual-Platform:~$ grep '^[wy]' textfile
wy is the short of my name.
```