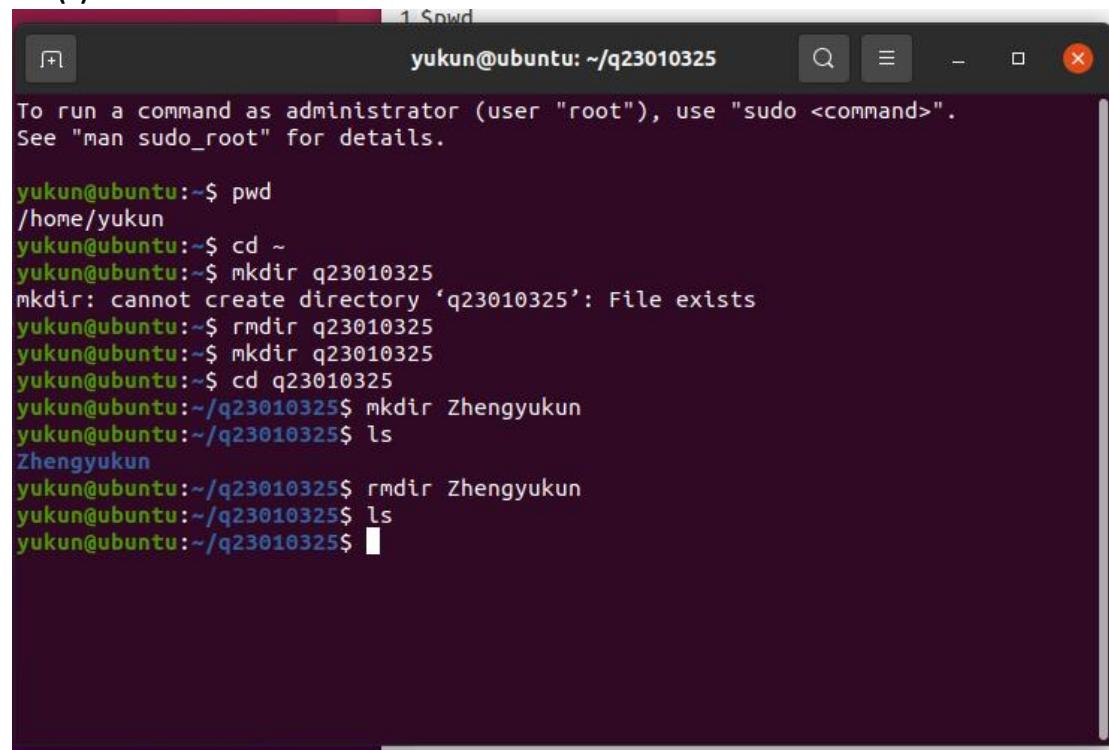


1-3-(1)



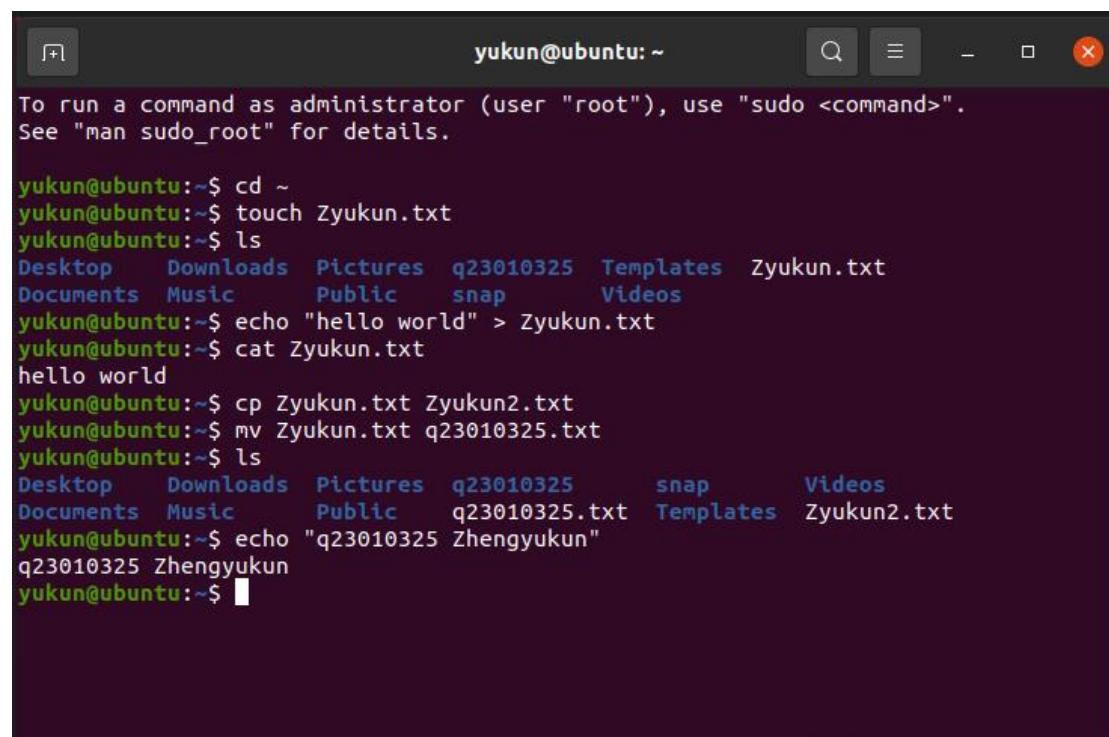
1 Spwd

yukun@ubuntu: ~/q23010325

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

yukun@ubuntu:~$ pwd
/home/yukun
yukun@ubuntu:~$ cd ~
yukun@ubuntu:~$ mkdir q23010325
mkdir: cannot create directory 'q23010325': File exists
yukun@ubuntu:~$ rmdir q23010325
yukun@ubuntu:~$ mkdir q23010325
yukun@ubuntu:~$ cd q23010325
yukun@ubuntu:~/q23010325$ mkdir Zhengyukun
yukun@ubuntu:~/q23010325$ ls
Zhengyukun
yukun@ubuntu:~/q23010325$ rmdir Zhengyukun
yukun@ubuntu:~/q23010325$ ls
yukun@ubuntu:~/q23010325$ █
```

1-3-(2)



yukun@ubuntu:~\$

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

yukun@ubuntu:~$ cd ~
yukun@ubuntu:~$ touch Zyukun.txt
yukun@ubuntu:~$ ls
Desktop  Downloads  Pictures  q23010325  Templates  Zyukun.txt
Documents  Music    Public     snap          Videos
yukun@ubuntu:~$ echo "hello world" > Zyukun.txt
yukun@ubuntu:~$ cat Zyukun.txt
hello world
yukun@ubuntu:~$ cp Zyukun.txt Zyukun2.txt
yukun@ubuntu:~$ mv Zyukun.txt q23010325.txt
yukun@ubuntu:~$ ls
Desktop  Downloads  Pictures  q23010325      snap      Videos
Documents  Music    Public     q23010325.txt  Templates  Zyukun2.txt
yukun@ubuntu:~$ echo "q23010325 Zhengyukun"
q23010325 Zhengyukun
yukun@ubuntu:~$ █
```

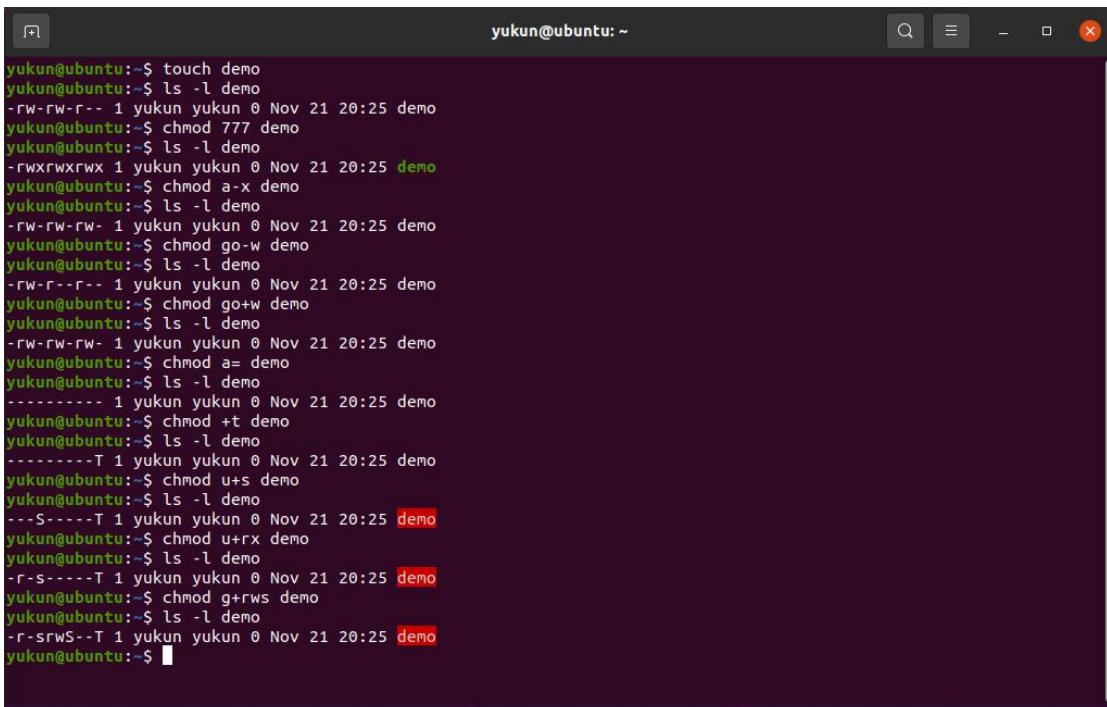
1-3-(3)

The terminal window shows the following session:

```
q23010325@ubuntu: ~
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

yukun@ubuntu:~$ whoami
yukun
yukun@ubuntu:~$ sudo su root
[sudo] password for yukun:
root@ubuntu:/home/yukun#
root@ubuntu:/home/yukun#
root@ubuntu:/home/yukun# groupadd student
root@ubuntu:/home/yukun# whoami
root
root@ubuntu:/home/yukun# adduser q23010325
Adding user `q23010325' ...
Adding new group `q23010325' (1002) ...
Adding new user `q23010325' (1001) with group `q23010325' ...
Creating home directory `/home/q23010325' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for q23010325
Enter the new value, or press ENTER for the default
  Full Name []:
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for q23010325
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []
Is the information correct? [Y/n] Y
root@ubuntu:/home/yukun# usermod -g student q23010325
root@ubuntu:/home/yukun# su q23010325
q23010325@ubuntu:/home/yukun$ cd ~
q23010325@ubuntu:~$ touch Zhengyukun.txt
q23010325@ubuntu:~$ ls -l
total 0
-rw-r--r-- 1 q23010325 student 0 Nov 20 19:01 Zhengyukun.txt
q23010325@ubuntu:~$
```

1-3-(4)



```
yukun@ubuntu:~$ touch demo
yukun@ubuntu:~$ ls -l demo
-rw-rw-r-- 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod 777 demo
yukun@ubuntu:~$ ls -l demo
-rwxrwxrwx 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod a-x demo
yukun@ubuntu:~$ ls -l demo
-rw-rw-rw- 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod go-w demo
yukun@ubuntu:~$ ls -l demo
-rw-r--r-- 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod go+w demo
yukun@ubuntu:~$ ls -l demo
-rw-rw-rw- 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod a= demo
yukun@ubuntu:~$ ls -l demo
----- 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod +t demo
yukun@ubuntu:~$ ls -l demo
-----T 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod u+s demo
yukun@ubuntu:~$ ls -l demo
---S----T 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod u+rx demo
yukun@ubuntu:~$ ls -l demo
-r-s----T 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$ chmod g+rws demo
yukun@ubuntu:~$ ls -l demo
-r-srwS--T 1 yukun yukun 0 Nov 21 20:25 demo
yukun@ubuntu:~$
```

```
yukun@ubuntu:~/others$ cd ~
yukun@ubuntu:~$ tar -czvf backup.tar.gz others
others/
others/yfile2.txt
others/backup.tar.gz
others/zfile1.txt
yukun@ubuntu:~$ ls -l
total 56
-rw-rw-r-- 1 yukun yukun 259 Dec  4 18:19 backup.tar.gz
-r-srwS--T 1 yukun yukun    0 Nov 21 20:25 demo
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Desktop
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Documents
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Downloads
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Music
drwxrwxr-x 2 yukun yukun 4096 Dec  4 18:15 others
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Pictures
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Public
drwxrwxr-x 2 yukun yukun 4096 Nov 20 18:30 q23010325
-rw-rw-r-- 1 yukun yukun   12 Nov 20 18:38 q23010325.txt
drwxr----- 3 yukun yukun 4096 Nov 20 07:26 snap
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Templates
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Videos
-rw-rw-r-- 1 yukun yukun   12 Nov 20 18:39 Zyukun2.txt
```

```
yukun@ubuntu:~$ tar -xzvf backup.tar.gz
others/
others/yfile2.txt
others/backup.tar.gz
others/zfile1.txt
yukun@ubuntu:~$ ls -l
total 56
-rw-rw-r-- 1 yukun yukun 259 Dec  4 18:19 backup.tar.gz
-r-srwS--T 1 yukun yukun    0 Nov 21 20:25 demo
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Desktop
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Documents
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Downloads
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Music
drwxrwxr-x 2 yukun yukun 4096 Dec  4 18:15 others
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Pictures
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Public
drwxrwxr-x 2 yukun yukun 4096 Nov 20 18:30 q23010325
-rw-rw-r-- 1 yukun yukun   12 Nov 20 18:38 q23010325.txt
drwx----- 3 yukun yukun 4096 Nov 20 07:26 snap
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Templates
drwxr-xr-x 2 yukun yukun 4096 Nov 20 07:24 Videos
-rw-rw-r-- 1 yukun yukun   12 Nov 20 18:39 Zyukun2.txt
yukun@ubuntu:~$
```

```
rw-rw-r-- 1 yukun yukun 12 Nov 20 18:39 Zyukun2.txt
yukun@ubuntu:~$ cat > textfile << 'EOF'
> no, I stduy 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.
> EOF
yukun@ubuntu:~$ grep '^n' textfile
no, I stduy in njupt.
yukun@ubuntu:~$ grep '\.00$' textfile
this line ends with .00
He is 15. It is 16.00
yukun@ubuntu:~$ grep '5\..' textfile
He is 15. It is 16.00
yukun@ubuntu:~$ grep '^wy]' textfile
wy is the short of my name.
yukun@ubuntu:~$
```