

```
Activities Terminal Sep 19 15:44
ubuntu@ubuntu: ~/rahul
big
head
tail
bone
India
R
A
B
C
{abc}
ubuntu@ubuntu:~/rahul$ cat demoo.txt|awk '!a[$0]++'
hi
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
A
B
C
{abc}
ubuntu@ubuntu:~/rahul$
```

```
Activities Terminal Sep 19 15:41
ubuntu@ubuntu: ~/rahul
India
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ cat demoo.txt |tr -d [:lower:]
I
R
A
B
C
{}
ubuntu@ubuntu:~/rahul$
```

Activities Terminal ▾ Sep 19 15:41 ●

ubuntu@ubuntu: ~/rahul

```
hi
hell
ubuntu@ubuntu:~/rahul$ cat demoo.txt | tr -d [:digit:]
hi
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ cat demoo.txt | tr -d [:lower:]
```

Activities Terminal ▾ Sep 19 15:41 ●

ubuntu@ubuntu: ~/rahul

```
ubuntu@ubuntu:~/rahul$ cat demoo.txt | tr -d 'o'
hi
hell
bye see
yu hi statement line
line
f line t line
see
big
head
tail
bne
India
R
A
B
C
{abc}
hi
hell
ubuntu@ubuntu:~/rahul$ cat demoo.txt | tr -d [:digit:]
hi
hello
bye see
you hi statement line
line
of line to line
see
big
```

```
Activities Terminal Sep 19 15:39
ubuntu@ubuntu: ~/rahul
ubuntu@ubuntu:~/rahul$ head demoo.txt|tail -3|sort -r
tail
head
big
ubuntu@ubuntu:~/rahul$ cat -n demoo.txt
 1 hi
 2 hello
 3 bye see
 4 you hi statement line
 5 line
 6 of line to line
 7 see
 8 big
 9 head
10 tail
11 bone
12 India
13 R
14 A
15 B
16 C
17 {abc}
18 hi
19 hello
ubuntu@ubuntu:~/rahul$ head demoo.txt|tail -3
big
head
tail
ubuntu@ubuntu:~/rahul$
```

```
Activities Terminal Sep 19 15:39
ubuntu@ubuntu: ~/rahul
{abc}
hi
hellubuntu@ubuntu:~/rahul$ head demoo.txt|tail -3|sort
big
head
tail
ubuntu@ubuntu:~/rahul$ head demoo.txt|tail -3|sort -r
tail
head
big
ubuntu@ubuntu:~/rahul$ cat -n demoo.txt
 1 hi
 2 hello
 3 bye see
 4 you hi statement line
 5 line
 6 of line to line
 7 see
 8 big
 9 head
10 tail
11 bone
12 India
13 R
14 A
15 B
16 C
17 {abc}
18 hi
```

```
Activities  Terminal  Sep 19 15:36  ubuntu@ubuntu: ~/rahul

gshadow          pcmcia          X11
gshadow-         perl           xattr.conf
gss              php            xdg
gtk-2.0          pki            xml
gtk-3.0          pm             zsh_command_not_found
hdparm.conf      pnm2ppa.conf

ubuntu@ubuntu:~/rahul$ ls /etc/head -10
ls: invalid option -- '0'
Try 'ls --help' for more information.
ubuntu@ubuntu:~/rahul$ ls /etc/head -6
ls: invalid option -- '6'
Try 'ls --help' for more information.
ubuntu@ubuntu:~/rahul$ ls /etc|head -6
acpi
adduser.conf
alsa
alternatives
anacrontab
apache2
ubuntu@ubuntu:~/rahul$ ls /etc|head -c -6
acpi
adduser.conf
alsa
alternatives
anacrontab
apache2
apg.conf
apm
apparmor

Activities  Terminal  Sep 19 15:39  ubuntu@ubuntu: ~/rahul

wgetrc
wpa_supplicant
X11
xattr.conf
xdg
xml
zsh_command_not_ubuntu@ubuntu:~/rahul$ ls /etc|head -c +6
acpi
ubuntu@ubuntu:~/rahul$ ls |head -c 6
1.txt
ubuntu@ubuntu:~/rahul$ head -c -2 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
A
B
C
{abc}
hi
```

```
Activities Terminal ▾ Sep 19 15:37 ●
ubuntu@ubuntu: ~/rahul
timezone
tmpfiles.d
ubuntu-advantage
ucf.conf
udev
udisks2
ufw
update-manager
update-motd.d
update-notifier
UPower
usb_modeswitch.conf
usb_modeswitch.d
vdpau_wrapper.cfg
vim
vmware-tools
vtrgb
vulkan
wgetrc
wpa_supplicant
X11
xattr.conf
xdg
xml
zsh_command_not_found
ubuntu@ubuntu:~/rahul$ ls /etc|head -c +6
acpi
ubuntu@ubuntu:~/rahul$ ls |head -c 6
1.txt
ubuntu@ubuntu:~/rahul$
```

```
Activities Terminal ▾ Sep 19 15:34 ●
ubuntu@ubuntu: ~/rahul
line
of line to line
ubuntu@ubuntu:~/rahul$ head -n -6 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
ubuntu@ubuntu:~/rahul$ ls /etc/
acpi
adduser.conf
alsa
alternatives
anacrontab
apache2
apg.conf
apm
apparmor
apparmor.d
appport
appstream.conf
host.conf
hostid
hostname
hosts
hosts.allow
hosts.deny
hp
ifplugd
init
init.d
initramfs-tools
inputrc
polkit-1
popularity-contest.conf
ppp
printcap
profile
profile.d
protocols
pulse
python3
python3.8
rc0.d
rc1.d
```



```
Activities  Terminal  Sep 19 15:34  ubuntu@ubuntu: ~/rahul

ubuntu@ubuntu:~/rahul$ head -6 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
ubuntu@ubuntu:~/rahul$ head -n 6 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
ubuntu@ubuntu:~/rahul$ head -n -6 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
ubuntu@ubuntu:~/rahul$ ls /etc/
hello
ubuntu@ubuntu:~/rahul$ tail -c +3 demoo.txt
hello
bye see
you hi statement line
line
of line to line
see
big
head
tail
bone
India
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ head -6 demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
ubuntu@ubuntu:~/rahul$ head -n 6 demoo.txt
```

```
Activities Terminal Sep 19 15:34 ubuntu@ubuntu: ~/rahul
hello
ubuntu@ubuntu:~/rahul$ tail -7 demoo.txt|sort
A
{abc}
B
C
hello
hi
R
ubuntu@ubuntu:~/rahul$ tail -7 demoo.txt|sort -r
R
hi
hello
C
B
{abc}
A
ubuntu@ubuntu:~/rahul$ cat demoo.txt|head -7|tail -3
line
of line to line
see
ubuntu@ubuntu:~/rahul$ cat demoo.txt|head -7|tail -4
you hi statement line
line
of line to line
see
ubuntu@ubuntu:~/rahul$ tail -c -6 demoo.txt
hello
ubuntu@ubuntu:~/rahul$ tail -c +3 demoo.txt
of line to line
see
big
head
tail
bone
India
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ tail -7 demoo.txt
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ tail -7 demoo.txt|sort
A
{abc}
B
C
hello
hi
```

```
Activities Terminal Sep 19 15:34
ubuntu@ubuntu: ~/rahul
ubuntu@ubuntu:~/rahul$ less -F jobs.txt
Hi
Hello
Bye
See you

ubuntu@ubuntu:~/rahul$ tail +7 demoo.txt
see
big
head
tail
bone
India
R
A
B
C
{abc}
hi
hello
ubuntu@ubuntu:~/rahul$ less -F demoo.txt
hi
hello
bye see
you hi statement line
line
of line to line
see
```

```
Activities Terminal Sep 19 15:34
ubuntu@ubuntu: ~/rahul
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less in jobs.txt
in: No such file or directory
jobs.txt (press RETURN)ubuntu@ubuntu:~/rahul$ less -N jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt demoo.txt
ubuntu@ubuntu:~/rahul$ ls
1.txt      demoo.txt  gnrr.txt  index.html.1  name.txt  subdir
demo1.txt  DEMOO.txt  gnr.txt   jobs.txt      rahul.txt  sundir
demo1.txt~ demo.txt   index.html  name1.txt    shell
ubuntu@ubuntu:~/rahul$ less jobs.txt demoo.txt demo.txt
ubuntu@ubuntu:~/rahul$ less --version
less 551 (GNU regular expressions)
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less comes with NO WARRANTY, to the extent permitted by law.
For information about the terms of redistribution,
see the file named README in the less distribution.
Home page: http://www.greenwoodsoftware.com/less
ubuntu@ubuntu:~/rahul$ less -X jobs.txt
Hi
Hello
Bye
See you

ubuntu@ubuntu:~/rahul$ less -F jobs.txt
```

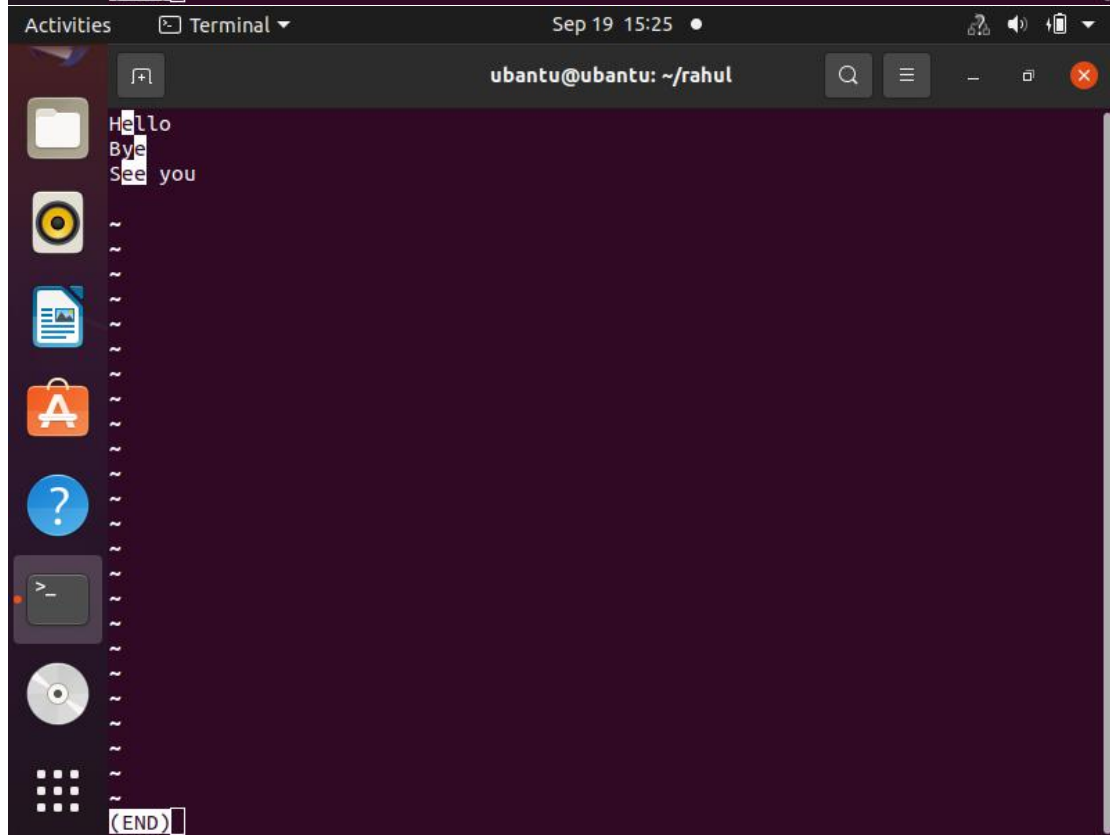
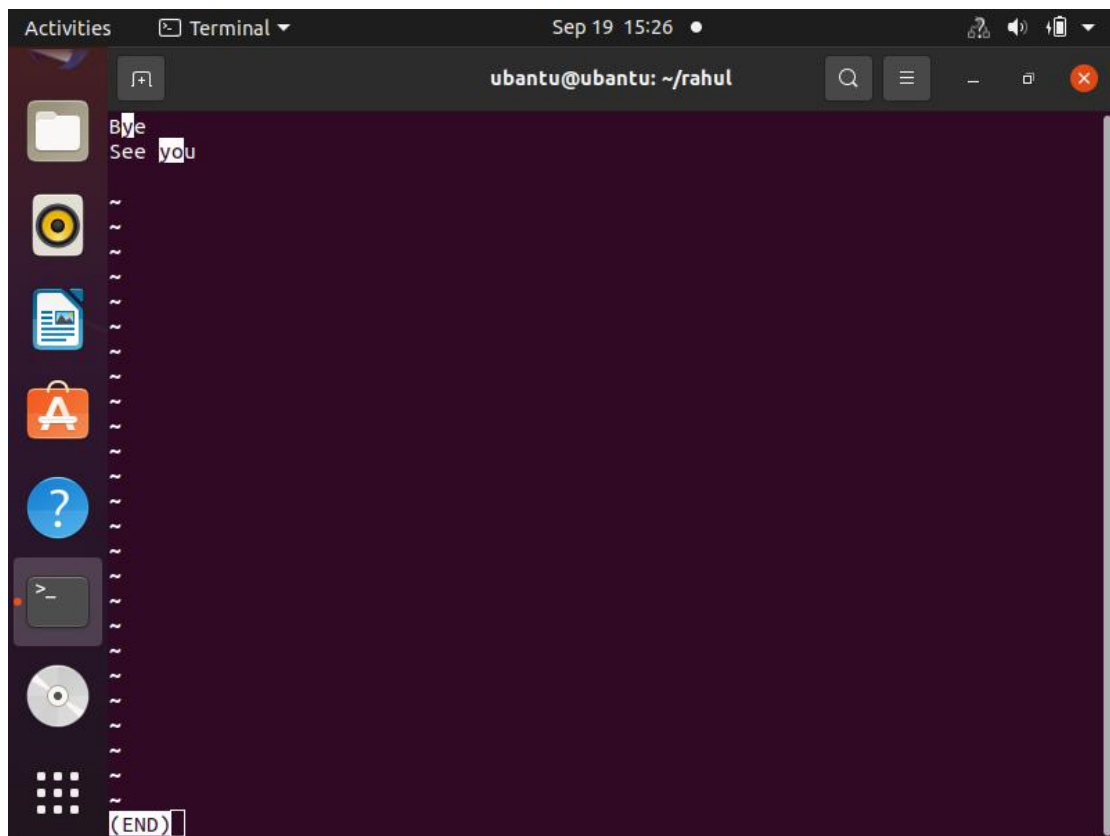


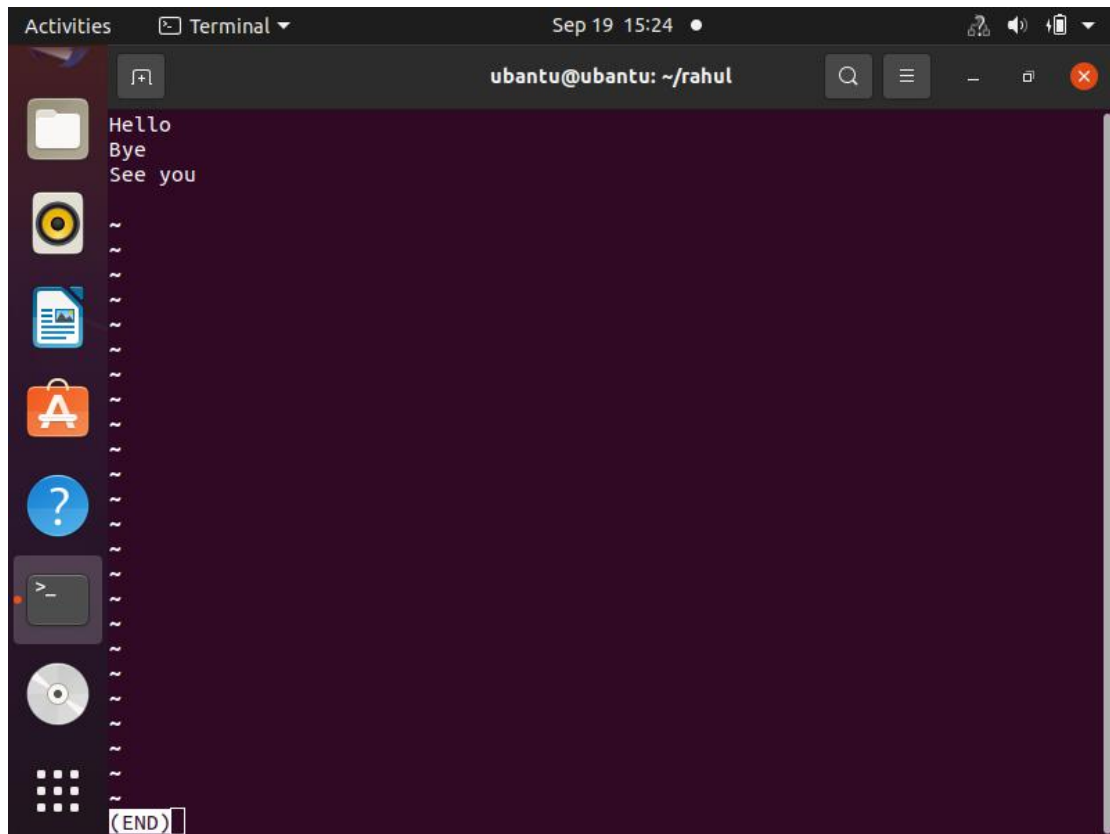
```
Activities  Terminal  Sep 19 15:34  ubuntu@ubuntu: ~/rahul

^Z
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ jobs
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ bg %1
[1]+  gedit jobs.txt &
ubuntu@ubuntu:~/rahul$ fg %1
gedit jobs.txt
ubuntu@ubuntu:~/rahul$ jobs
ubuntu@ubuntu:~/rahul$ less
Missing filename ("less --help" for help)
ubuntu@ubuntu:~/rahul$ man less
ubuntu@ubuntu:~/rahul$ gedit jobs.txt
ubuntu@ubuntu:~/rahul$ vim jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less iN jobs.txt
iN: No such file or directory
jobs.txt (press RETURN)ubuntu@ubuntu:~/rahul$ less -N jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt
ubuntu@ubuntu:~/rahul$ less jobs.txt demoo.txt
ubuntu@ubuntu:~/rahul$ ls
1.txt      demoo.txt  gnrr.txt   index.html.1  name.txt  subdir
demo1.txt  DEM00.txt  gnrr.txt   jobs.txt      rahul.txt  sundir
demo1.txt~ demo.txt   index.html name1.txt      shell
ubuntu@ubuntu:~/rahul$ less jobs.txt demoo.txt demo.txt

Activities  Terminal  Sep 19 15:34  ubuntu@ubuntu: ~/rahul

ubuntu@ubuntu:~$ cd rahul
ubuntu@ubuntu:~/rahul$ gedit jobs.txt
^C
ubuntu@ubuntu:~/rahul$ jobs
ubuntu@ubuntu:~/rahul$ gedit jobs.txt
^Z
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ jobs
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ bg %1
[1]+  gedit jobs.txt &
ubuntu@ubuntu:~/rahul$ jobs
[1]+  Running                  gedit jobs.txt &
ubuntu@ubuntu:~/rahul$ fg %1
gedit jobs.txt
^Z
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ jobs
[1]+  Stopped                  gedit jobs.txt
ubuntu@ubuntu:~/rahul$ bg %1
[1]+  gedit jobs.txt &
ubuntu@ubuntu:~/rahul$ fg %1
gedit jobs.txt
ubuntu@ubuntu:~/rahul$ jobs
ubuntu@ubuntu:~/rahul$ less
Missing filename ("less --help" for help)
ubuntu@ubuntu:~/rahul$ man less
ubuntu@ubuntu:~/rahul$ gedit jobs.txt
```



```
Activities Terminal ▾ Sep 13 16:41 ubuntu@ubuntu: ~/rahul

ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ mkdir rahul
ubuntu@ubuntu:~$ ls
4b.html Desktop Downloads pg3.html pg4.html pg5.html pgm2.html Public rahulgn Templates
8p.php Documents Music pg4a.html pg5.css pg8.php Pictures rahul snap Videos
ubuntu@ubuntu:~$ ls -a
. .config pg3.html .profile .thunderbird
.. Desktop pg4a.html Public .vboxclient-clipboard.pid
4b.html Documents pg4.html rahul .vboxclient-display-svga-x11.pid
8p.php Downloads pg5.css rahulgn .vboxclient-draganddrop.pid
.bash_history .gnupg pg5.html snap .vboxclient-seamless.pid
.bash_logout .local pg8.php .ssh Videos
.bashrc .mozilla pgm2.html .sudo_as_admin_successful
.cache Music Pictures Templates
ubuntu@ubuntu:~$ ls -l
total 76
-rw-rw-r-- 1 ubuntu ubuntu 336 Jan 27 2021 4b.html
-rw-rw-r-- 1 ubuntu ubuntu 909 Jan 26 2021 8p.php
drwxr-xr-x 3 ubuntu ubuntu 4096 Jan 26 2021 Desktop
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Documents
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Downloads
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Music
-rw-rw-r-- 1 ubuntu ubuntu 741 Jan 26 2021 pg3.html
-rw-rw-r-- 1 ubuntu ubuntu 348 Jan 26 2021 pg4a.html
-rw-rw-r-- 1 ubuntu ubuntu 395 Jan 26 2021 pg4.html
-rw-rw-r-- 1 ubuntu ubuntu 187 Jan 26 2021 pg5.css
-rw-rw-r-- 1 ubuntu ubuntu 214 Jan 26 2021 pg5.html
-rw-rw-r-- 1 ubuntu ubuntu 0 Jan 26 2021 pg8.php
-rw-rw-r-- 1 ubuntu ubuntu 399 Jan 26 2021 pgm2.html
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Pictures
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Public
drwxrwxr-x 2 ubuntu ubuntu 4096 Sep 13 12:29 rahul
drwxrwxr-x 2 ubuntu ubuntu 4096 Sep 13 12:19 rahulgn
drwxr-xr-x 3 ubuntu ubuntu 4096 Jan 26 2021 snap
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Templates
drwxr-xr-x 2 ubuntu ubuntu 4096 Jan 26 2021 Videos
ubuntu@ubuntu:~$ rmdir rahulgn
rmdir: failed to remove 'rahulgn': Directory not empty

Activities Terminal ▾ Sep 19 15:24 ubuntu@ubuntu: ~/rahul

1 Hi
2 Hello
3 Bye
4 See you
5
jobs.txt (END)
```