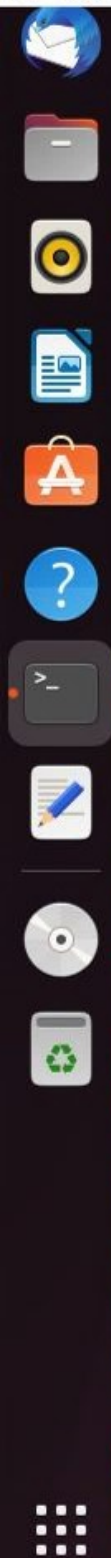
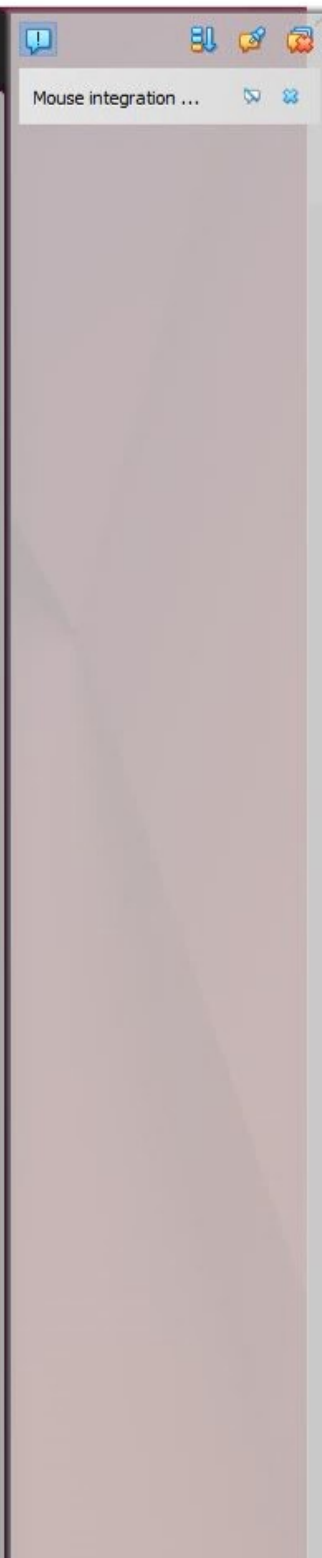


```
nikhil@Nikhil:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  temp.sh  Videos
nikhil@Nikhil:~$ ls -l
total 40
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Desktop
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Documents
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Downloads
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Music
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Pictures
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Public
drwx----- 3 nikhil nikhil 4096 Dec 28 09:52 snap
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Templates
-rwxrwxrwx 1 nikhil nikhil 131 Dec 30 18:00 temp.sh
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Videos
nikhil@Nikhil:~$ ls -a
.      .bash_history  .bashrc  .config  Documents  .gnupg  Music      .profile  snap  Templates  Videos
..     .bash_logout  .cache   Desktop  Downloads  .local  Pictures   Public    .ssh  temp.sh
nikhil@Nikhil:~$ pwd
/home/nikhil
nikhil@Nikhil:~$ mkdir directory1
nikhil@Nikhil:~$ ls
Desktop  directory1  Documents  Downloads  Music  Pictures  Public  snap  Templates  temp.sh  Videos
nikhil@Nikhil:~$ touch file1.txt
nikhil@Nikhil:~$ touch file2.txt
nikhil@Nikhil:~$ ls
Desktop      Documents  file1.txt  Music      Public  Templates  Videos
directory1  Downloads  file2.txt  Pictures   snap     temp.sh
nikhil@Nikhil:~$
```

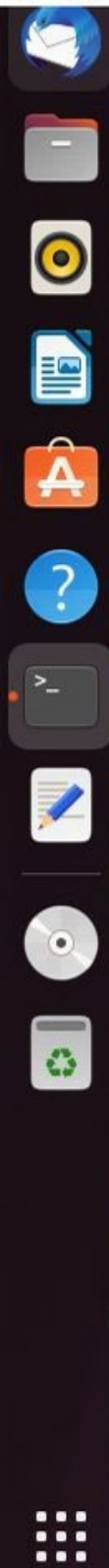
```
nikhil@Nikhil: ~  
nikhil@Nikhil:~$ ls  
Desktop      Documents  file1.txt  Music      Public  Templates  Videos  
directory1  Downloads  file2.txt  Pictures   snap    temp.sh  
nikhil@Nikhil:~$ cat temp.sh  
#!/bin/bash  
  
echo "Enter the radius of circle:"  
read r  
area = $(echo "3.14 * ( $r * $r )")  
echo " The area of the circle is $area "  
nikhil@Nikhil:~$ cat hello>file1.txt  
cat: hello: No such file or directory  
nikhil@Nikhil:~$ cat >file1.txt  
hello.. i am nikhil  
^C  
nikhil@Nikhil:~$ cat file1.txt  
hello.. i am nikhil  
nikhil@Nikhil:~$ cat> file2.txt  
how are you ?^C  
nikhil@Nikhil:~$ cat file2.txt  
nikhil@Nikhil:~$ cat file2.txt  
nikhil@Nikhil:~$ cat> file2.txt  
how are you?^C  
nikhil@Nikhil:~$ cat file2.txt  
nikhil@Nikhil:~$ cat >file2.txt  
how are you?  
^C  
nikhil@Nikhil:~$ cat file2.txt  
how are you?  
nikhil@Nikhil:~$
```



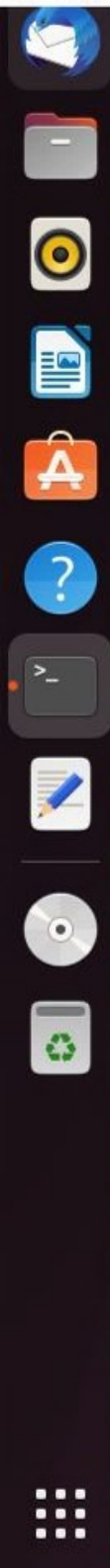


```
nikhil@Nikhil: ~  
directory1 Downloads file2.txt Pictures snap temp.sh  
nikhil@Nikhil:~$ cat file1.txt  
hello.. i am nikhil  
nikhil@Nikhil:~$ cat file2.txt  
how are you?  
nikhil@Nikhil:~$ cat file2.txt > file1.txt  
nikhil@Nikhil:~$ cat file1.txt  
how are you?  
nikhil@Nikhil:~$ cat > file1.txt  
hello.. i am nikhil  
^C  
nikhil@Nikhil:~$ cat file2.txt >> file1.txt  
nikhil@Nikhil:~$ cat file1.txt  
hello.. i am nikhil  
how are you?  
nikhil@Nikhil:~$ whoami  
nikhil  
nikhil@Nikhil:~$ hostnamectl  
Static hostname: Nikhil  
Icon name: computer-vm  
Chassis: vm  
Machine ID: cc38fd374a194656aa28b4b180815109  
Boot ID: 8e672174b86f40a18887071884de8f08  
Virtualization: oracle  
Operating System: Ubuntu 22.04.1 LTS  
Kernel: Linux 5.15.0-43-generic  
Architecture: x86-64  
Hardware Vendor: innotek GmbH  
Hardware Model: VirtualBox  
nikhil@Nikhil:~$
```

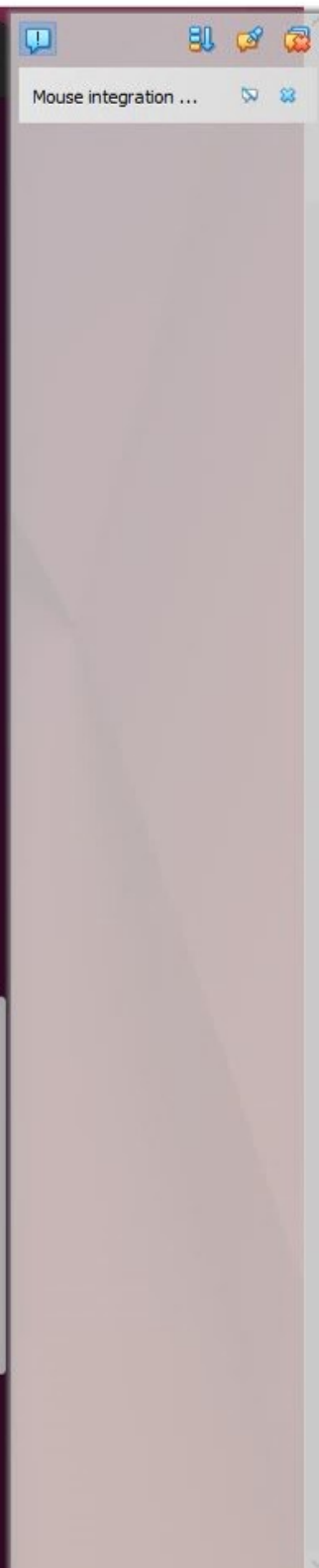


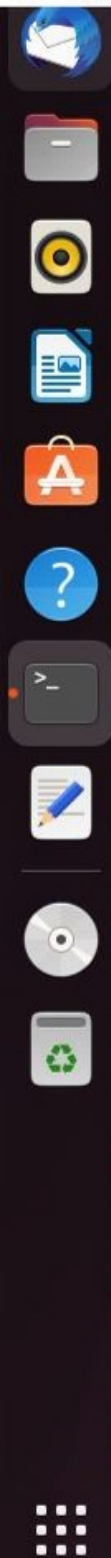


```
nikhil@Nikhil:~$ cd directory1
nikhil@Nikhil:~/directory1$ cp file1.txt
cp: missing destination file operand after 'file1.txt'
Try 'cp --help' for more information.
nikhil@Nikhil:~/directory1$ cd nikhil
bash: cd: nikhil: No such file or directory
nikhil@Nikhil:~/directory1$ cd .
nikhil@Nikhil:~/directory1$ cd ..
nikhil@Nikhil:~$ cp file1.txt home/nikhil/directory1
cp: cannot create regular file 'home/nikhil/directory1': No such file or directory
nikhil@Nikhil:~$ pwd
/home/nikhil
nikhil@Nikhil:~$ cp file1.txt /home/nikhil/directory1
nikhil@Nikhil:~$ ls
Desktop      Documents  file1.txt  Music      Public  Templates  Videos
directory1  Downloads  file2.txt  Pictures   snap    temp.sh
nikhil@Nikhil:~$ cat directory1
cat: directory1: Is a directory
nikhil@Nikhil:~$ cd directory1
nikhil@Nikhil:~/directory1$ ls
file1.txt
nikhil@Nikhil:~/directory1$ cat file1.txt
hello.. i am nikhil
how are you?
nikhil@Nikhil:~/directory1$ echo "i am using linux.."
i am using linux..
nikhil@Nikhil:~/directory1$ `grep "you" file1.txt`
how: command not found
nikhil@Nikhil:~/directory1$ cd ~
nikhil@Nikhil:~$ |
```

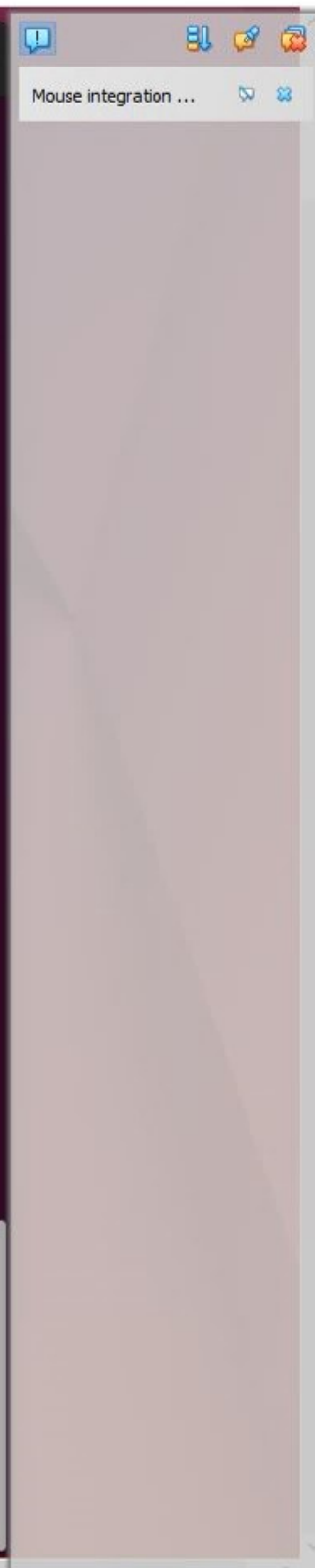



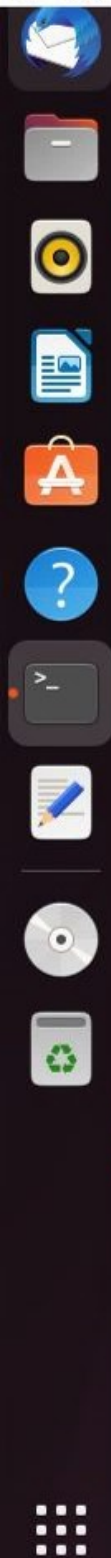
```
nikhil@Nikhil: ~  
nikhil@Nikhil:~$ ls -l  
total 52  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Desktop  
drwxrwxr-x 2 nikhil nikhil 4096 Apr 12 15:15 directory1  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Documents  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Downloads  
-rw-rw-r-- 1 nikhil nikhil 33 Apr 12 15:06 file1.txt  
-rw-rw-r-- 1 nikhil nikhil 13 Apr 12 15:02 file2.txt  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Music  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Pictures  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Public  
drwx----- 3 nikhil nikhil 4096 Dec 28 09:52 snap  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Templates  
-rwxrwxrwx 1 nikhil nikhil 131 Dec 30 18:00 temp.sh  
drwxr-xr-x 2 nikhil nikhil 4096 Dec 28 09:52 Videos  
nikhil@Nikhil:~$ nano file1.txt  
nikhil@Nikhil:~$ cat file1.txt  
hello.. i am nikhil  
how are you?  
i have made a file in nikhil directiory.  
i am from jalgaon maharashtra.  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$ grep "nikhil" file1.txt  
hello.. i am nikhil  
i have made a file in nikhil directiory.  
nikhil@Nikhil:~$ grep -i "nikhil" file1.txt  
hello.. i am nikhil  
i have made a file in nikhil directiory.  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$ rm file2.txt
```





```
nikhil@Nikhil: ~  
nikhil@Nikhil:~$ rm file2.txt  
nikhil@Nikhil:~$ ls  
Desktop      Documents  file1.txt  Pictures  snap      temp.sh  
directory1   Downloads  Music      Public    Templates Videos  
nikhil@Nikhil:~$ mv file1.txt myfile.txt  
nikhil@Nikhil:~$ ls  
Desktop      Documents  Music      Pictures  snap      temp.sh  
directory1   Downloads  myfile.txt Public    Templates Videos  
nikhil@Nikhil:~$ nano chmod 755 demo.txt  
nikhil@Nikhil:~$ cat demo.txt  
welcome  
to  
demo  
file..  
  
nikhil@Nikhil:~$ head -n 2 demo.txt  
welcome  
to  
nikhil@Nikhil:~$ tail -n 2 demo.txt  
file..  
  
nikhil@Nikhil:~$ tail 2 demo.txt  
tail: cannot open '2' for reading: No such file or directory  
==> demo.txt <==  
welcome  
to  
demo  
file..  
  
nikhil@Nikhil:~$
```



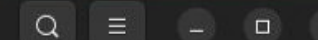


```
nikhil@Nikhil: ~  
file..  
  
nikhil@Nikhil:~$ find . -name "*.txt"  
./directory1/file1.txt  
./myfile.txt  
./.cache/tracker3/files/locale-for-miner-apps.txt  
./.cache/tracker3/files/first-index.txt  
./.cache/tracker3/files/last-crawl.txt  
./demo.txt  
  
nikhil@Nikhil:~$ find . -size +1M  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23Documents.db-wal  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23Pictures.db-wal  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23Audio.db-wal  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23FileSystem.db  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23Video.db-wal  
./.cache/tracker3/files/meta.db  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23FileSystem.db-wal  
./.cache/tracker3/files/http%3A%2F%2Ftracker.api.gnome.org%2Fontology%2Fv3%2Ftracker%23Software.db-wal  
./.cache/tracker3/files/meta.db-wal  
./.cache/mesa_shader_cache/index  
nikhil@Nikhil:~$  
nikhil@Nikhil:~$ find . -type d  
.  
./Desktop  
./directory1  
./Music  
./.config  
./.config/goa-1.0  
./.config/evolution  
./.config/evolution/sources
```





nikhil@Nikhil: ~



./Videos

nikhil@Nikhil:~\$

nikhil@Nikhil:~\$ awk '{print \$1}' myfile.txt

hello..

how

i

i

my

nikhil@Nikhil:~\$ awk '{print \$2,\$3}' myfile.txt

i am

are you?

have made

am from

full name

nikhil@Nikhil:~\$ awk '/^h/ {print}' myfile.txt

hello.. i am nikhil

how are you?

nikhil@Nikhil:~\$ awk '/nikhil/ {print}' myfile.txt

hello.. i am nikhil

i have made a file in nikhil directiory.

nikhil@Nikhil:~\$

nikhil@Nikhil:~\$ sed 's/nikhil/Lalit/s' myfile.txt

sed: -e expression #1, char 16: unknown option to `s'

nikhil@Nikhil:~\$ cat myfile.txt

hello.. i am nikhil

how are you?

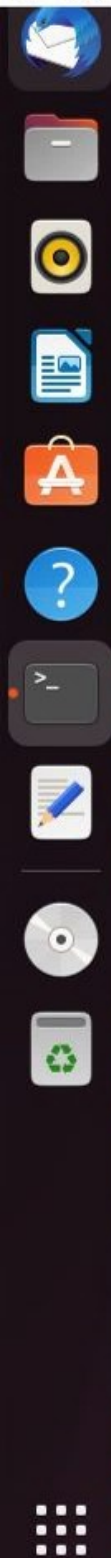
i have made a file in nikhil directiory.

i am from jalgaon maharashtra.

my full name is Nikhil zambare.

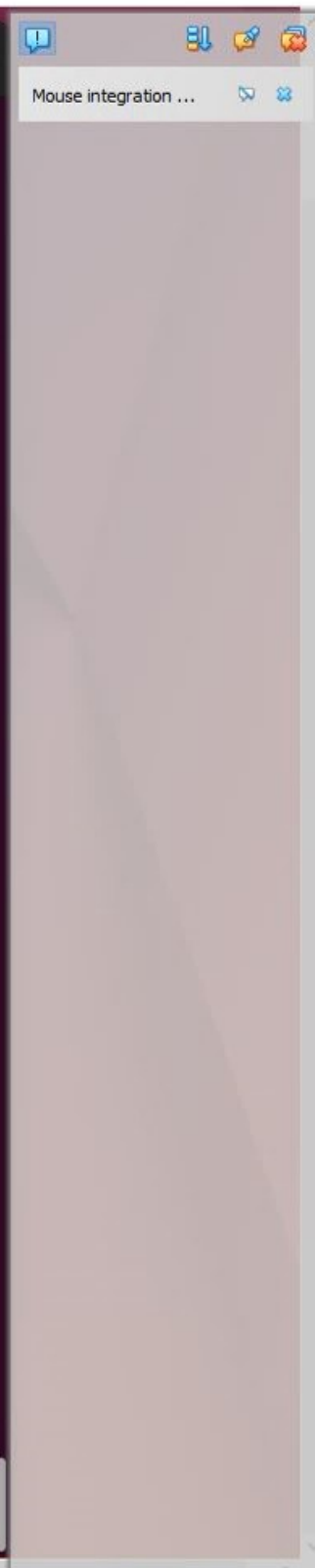
nikhil@Nikhil:~\$ |





nikhil@Nikhil: ~

```
i have made a file in nikhil directiory.  
i am from jalgaon maharashtra.  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$ sed 's/nikhil/Lalit/g' myfile.txt  
hello.. i am Lalit  
how are you?  
i have made a file in Lalit directiory.  
i am from jalgaon maharashtra.  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$ sed '^h/i H' myfile.txt  
sed: -e expression #1, char 1: unknown command: `^'  
nikhil@Nikhil:~$ sed '/^h/i H' myfile.txt  
H  
hello.. i am nikhil  
H  
how are you?  
i have made a file in nikhil directiory.  
i am from jalgaon maharashtra.  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$  
nikhil@Nikhil:~$ sed '/maharashtra/a India' myfile.txt  
hello.. i am nikhil  
how are you?  
i have made a file in nikhil directiory.  
i am from jalgaon maharashtra.  
India  
my full name is Nikhil zambare.  
nikhil@Nikhil:~$ sed '/^h/i ' myfile.txt  
sed: -e expression #1, char 6: expected \ after `a', `c' or `i'  
nikhil@Nikhil:~$
```



nikhil@Nikhil: ~

nikhil@Nikhil:~\$

nikhil@Nikhil:~\$ hostnamectl

Static hostname: Nikhil

Icon name: computer-vm

Chassis: vm

Machine ID: cc38fd374a194656aa28b4b180815109

Boot ID: 8e672174b86f40a18887071884de8f08

Virtualization: oracle

Operating System: Ubuntu 22.04.1 LTS

Kernel: Linux 5.15.0-43-generic

Architecture: x86-64

Hardware Vendor: innotek GmbH

Hardware Model: VirtualBox

nikhil@Nikhil:~\$ uname -a

Linux Nikhil 5.15.0-43-generic #46-Ubuntu SMP Tue Jul 12 10:30:17 UTC 2022 x86_64 x86_64 x86_64 GNU/Linux

nikhil@Nikhil:~\$ uname

Linux

nikhil@Nikhil:~\$ systemctl

UNIT	LOAD	ACTIVE	SUB>
proc-sys-fs-binfmt_misc.automount	loaded	active	run>
sys-devices-pci0000:00-0000:00:01.1-ata2-host1-target1:0:0-1:0:0:0-block-sr0.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:03.0-net-enp0s3.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:05.0-sound-card0-controlC0.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda1.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda2.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda-sda3.device	loaded	active	plu>
sys-devices-pci0000:00-0000:00:0d.0-ata3-host2-target2:0:0-2:0:0:0-block-sda.device	loaded	active	plu>
sys-devices-platform-serial8250-tty-ttys0.device	loaded	active	plu>
sys-devices-platform-serial8250-tty-ttys1.device	loaded	active	plu>
sys-devices-platform-serial8250-tty-ttys10.device	loaded	active	plu>

nikhil@Nikhil: ~

nikhil@Nikhil:~\$

nikhil@Nikhil:~\$ lsblk -a

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
loop0	7:0	0	63.3M	1	loop	/snap/core20/1778
loop1	7:1	0	63.3M	1	loop	/snap/core20/1852
loop2	7:2	0	4K	1	loop	/snap/bare/5
loop3	7:3	0	163.3M	1	loop	/snap/firefox/1635
loop4	7:4	0	238.4M	1	loop	/snap/firefox/2211
loop5	7:5	0	346.3M	1	loop	/snap/gnome-3-38-2004/119
loop6	7:6	0	91.7M	1	loop	/snap/gtk-common-themes/1535
loop7	7:7	0	45.9M	1	loop	/snap/snap-store/582
loop8	7:8	0	45.9M	1	loop	/snap/snap-store/638
loop9	7:9	0	349.7M	1	loop	/snap/gnome-3-38-2004/137
loop10	7:10	0	49.6M	1	loop	/snap/snapd/17883
loop11	7:11	0	49.8M	1	loop	/snap/snapd/18596
loop12	7:12	0	284K	1	loop	/snap/snapd-desktop-integration/14
loop13	7:13	0	304K	1	loop	/snap/snapd-desktop-integration/49
loop14	7:14	0	0B	0	loop	
sda	8:0	0	50G	0	disk	
└sda1	8:1	0	1M	0	part	
└sda2	8:2	0	513M	0	part	/boot/efi
└sda3	8:3	0	49.5G	0	part	/var/snap/firefox/common/host-hunspell /
sr0	11:0	1	3.6G	0	rom	/media/nikhil/Ubuntu 22.04.1 LTS amd64

nikhil@Nikhil:~\$

nikhil@Nikhil:~\$ lsblk -b

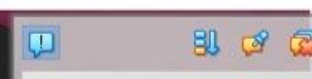
NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
loop0	7:0	0	66347008	1	loop	/snap/core20/1778
loop1	7:1	0	66392064	1	loop	/snap/core20/1852
loop2	7:2	0	4096	1	loop	/snap/bare/5

Mouse integration ...



nikhil@Nikhil: ~

Q ≡ - □ ×



Mouse integration ...

```
loop8      7:8      0      48160768    1 loop /snap/snap-store/638
loop9      7:9      0      366673920    1 loop /snap/gnome-3-38-2004/137
loop10     7:10     0      52031488     1 loop /snap/snapd/17883
loop11     7:11     0      52260864     1 loop /snap/snapd/18596
loop12     7:12     0       290816     1 loop /snap/snapd-desktop-integration/14
loop13     7:13     0       311296     1 loop /snap/snapd-desktop-integration/49
sda        8:0      0 53687091200    0 disk
├─sda1     8:1      0      1048576     0 part
├─sda2     8:2      0   537919488    0 part /boot/efi
└─sda3     8:3      0 53146025984    0 part /var/snap/firefox/common/host-hunspell/
sr0        11:0     1  3826831360    0 rom  /media/nikhil/Ubuntu 22.04.1 LTS amd64
nikhil@Nikhil:~$
nikhil@Nikhil:~$ tar -cvf myfile.tar myfile.txt
myfile.txt
nikhil@Nikhil:~$ tar -tvf myfile.tar
-rw-rw-r-- nikhil/nikhil 137 2023-04-12 15:51 myfile.txt
nikhil@Nikhil:~$ tar -xvf myfile.tar
myfile.txt
nikhil@Nikhil:~$ cat myfile.txt
hello.. i am nikhil
how are you?
i have made a file in nikhil directiory.
i am from jalgaon maharashtra.
my full name is Nikhil zambare.
nikhil@Nikhil:~$
```