

a.i root@WPL-31:~# echo srinithyee
srinithyee

a.ii root@WPL-31:~# echo *
Desktop Documents Downloads Music Pictures Public Templates Videos

a.iii root@WPL-31:~# echo

b.i root@WPL-31:~# date
Thu Jul 4 13:41:35 IST 2019

b.ii. root@WPL-31:~# man date

b.iii root@WPL-31:~# date +"%X"
01:51:25 IST

b.iv root@WPL-31:~# date +"%A,%d/%m/%y"
Thursday,04/07/19

c.i root@WPL-31:~# cal -l
July 2019

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

c.ii root@WPL-31:~# cal -y 2020
2020

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4				1	1	2	3	4	5	6	7						
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31		23	24	25	26	27	28	29	29	30	31				

April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4				1	2	1	2	3	4	5	6						
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30				
																				31

July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4				1		1	2	3	4	5							
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26

26 27 28 29 30 31 23 24 25 26 27 28 29 27 28 29 30
30 31

October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	1	2	3	4	5	6	7	1	2	3	4	5						
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
25	26	27	28	29	30	31	29	30						27	28	29	30	31		

c.iii root@WPL-31:~# cal 7 2020

July 2020
Su Mo Tu We Th Fr Sa
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

d root@WPL-31:~# who
root tty7 2019-07-04 13:34 (:0)
root@WPL-31:~# whoami
root

e uname with options -a, -s, -r, -sr
root@WPL-31:~# uname -a
Linux WPL-31 4.10.0-28-generic #32~16.04.2-Ubuntu SMP Thu Jul 20 10:19:48 UTC 2017 x86_64 x86_64
x86_64 GNU/Linux
root@WPL-31:~# uname -s
Linux
root@WPL-31:~# uname -r
4.10.0-28-generic
root@WPL-31:~# uname -sr
Linux 4.10.0-28-generic

f df -h

i. How many partitions does your hard disk have? What is the total size of the disk

root@WPL-31:~# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
udev	3.8G	0	3.8G	0%	/dev
tmpfs	782M	9.4M	773M	2%	/run
/dev/sda8	270G	4.4G	252G	2%	/
tmpfs	3.9G	44K	3.9G	1%	/dev/shm
tmpfs	5.0M	4.0K	5.0M	1%	/run/lock
tmpfs	3.9G	0	3.9G	0%	/sys/fs/cgroup
/dev/sda5	923M	72M	789M	9%	/boot
/dev/sda2	96M	28M	69M	29%	/boot/efi
tmpfs	782M	108K	782M	1%	/run/user/0

My hard disk has 10 partitions.The total size of the disk is 290.047G

g history

root@WPL-31:~# history

```
1 gedit /usr/share/lightdm/lightdm.conf.d/50-ubuntu.conf
2 echo srinithyee
3 echo *
4 echo
5 date
6 man date
7 date %X
8 man date
9 %H date
10 man date
11 date -I[TIME]
12 date --help
13 date -I[%T]
14 date +"%X"
15 date +"%A,%d/%m/%y"
date +"%A,%d/%m/%y"
date +"%A "
```

```
16 date +"%A"
17 date +"%A,%d/%m/%y"
18 cal
19 man cal
20 cal -l
21 cal -y 2020
22 cal 7 2020
23 who
24 whoami
25 uname -a
26 uname -s
27 uname -r
28 uname -sr
29 df-h
30 df -h
31 bc
32 history
```

FILES

-CAT

o Create a file poem.txt with

cat > poem.txt

o and typing the lines on the stdin (standard input).

Print (display) the contents of poem.txt on stdout (standard output)

root@WPL-31:~# cat >poem.txt

This is a file that contains a poem

root@WPL-31:~# cat poem.txt

This is a file that contains a poem

ls

o

o

List the contents of your home directory.

List the contents of your home directory.long format

modified time order

reverse modified time order

ls

o

o

List the contents of your home directory.

List the contents of your home directory.long format

modified time order

reverse modified time order

root@WPL-31:~# ls

Desktop Documents Downloads Music Pictures poem.txt Public Templates Videos

root@WPL-31:~# ls -l

total 36

drwxr-xr-x 2 root root 4096 Jul 4 14:13 Desktop

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Documents

drwxr-xr-x 2 root root 4096 Jul 4 13:39 Downloads

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Music

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Pictures

-rw-r--r-- 1 root root 36 Jul 4 14:14 poem.txt

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Public

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Templates

drwxr-xr-x 2 root root 4096 Jul 4 13:35 Videos

root@WPL-31:~# ls -t

poem.txt Desktop Downloads Documents Music Pictures Public Templates Videos

root@WPL-31:~# ls -tr

Videos Templates Public Pictures Music Documents Downloads Desktop poem.txt

pwd

o What is your home directory?

o Move to your home directory.

root@WPL-31:~# pwd

/root

root@WPL-31:~# cd ~

root@WPL-31:~#

mkdir

Create a directory myname in your home.

Move to myname.

In myname, create the following directory structure. Check with tree.

+-- junk

+-- recipes

+-- cookie

| +-- choc.chip

+-- pie

+-- apple

+-- crust

```
root@WPL-31:/# cd myname
bash: cd: myname: No such file or directory
root@WPL-31:/# cd ~
root@WPL-31:~# cd myname
root@WPL-31:~/myname# cd recipes
root@WPL-31:~/myname/recipes# cd pie
root@WPL-31:~/myname/recipes/pie# mkdir apple
root@WPL-31:~/myname/recipes/pie# mkdir crust
root@WPL-31:~/myname/recipes/pie#
root@WPL-31:~/myname/recipes/pie# cd crust
root@WPL-31:~/myname/recipes/pie/crust# cd ..
root@WPL-31:~/myname/recipes/pie# cd ..
root@WPL-31:~/myname/recipes# cd cookie
root@WPL-31:~/myname/recipes/cookie# cd choc.chip
root@WPL-31:~/myname/recipes/cookie/choc.chip#
cd ~
root@WPL-31:~# cd myname
root@WPL-31:~/myname#
```

rmkdir

Create a file dish1 in apple.

```
root@WPL-31:~/myname/recipes/pie/apple# cat >dish1.txt
```

Remove directory apple.

```
root@WPL-31:~/myname/recipes/pie/apple# cd ..
root@WPL-31:~/myname/recipes/pie# rmdir apple
rmdir: failed to remove 'apple': Directory not empty
root@WPL-31:~/myname/recipes/pie#
```

Remove the file dish1 in apple.

```
root@WPL-31:~/myname/recipes/pie/apple# rm dish1.txt
root@WPL-31:~/myname/recipes/pie/apple# ls
root@WPL-31:~/myname/recipes/pie/apple#
```

Now remove directory apple.

```
root@WPL-31:~/myname/recipes/pie/apple# cd ..
root@WPL-31:~/myname/recipes/pie# rmdir apple
root@WPL-31:~/myname/recipes/pie# ls
crust
root@WPL-31:~/myname/recipes/pie#
```

cp

Create a file dish1 in crust.

Copy dish1 to dish2.

List the contents of crust.

Copy the contents in crust to apple

```
root@WPL-31:~/myname/recipes/pie# cd crust
root@WPL-31:~/myname/recipes/pie/crust# cat >dish1
hello world
root@WPL-31:~/myname/recipes/pie/crust# cp dish1 dish2
```

```
root@WPL-31:~/myname/recipes/pie/crust# ls
dish1 dish2
root@WPL-31:~/myname/recipes/pie# cp -r crust apple
root@WPL-31:~/myname/recipes/pie# ^C
```

mv

Rename dish1 to cookie1, and dish2 to cookie2.

```
root@WPL-31:~/myname/recipes/pie/apple# mv dish1 cookie1
root@WPL-31:~/myname/recipes/pie/apple# mv dish2 cookie2
```

Move both cookie1 and cookie2 to the directory cookie

```
root@WPL-31:~/myname/recipes# mv ~/myname/recipes/pie/apple/* ~/myname/recipes/cookie
```

Move recipe directory to junk directory.

```
root@WPL-31:~/myname# mv ~/myname/recipes* ~/myname/junk
```

rm

```
root@WPL-31:~/myname/recipes# cd ~
root@WPL-31:~# cd myname
root@WPL-31:~/myname# mv ~/myname/recipes* ~/myname/junk
root@WPL-31:~/myname# cd junk
root@WPL-31:~/myname/junk# ls
recipes
root@WPL-31:~/myname/junk# cd recipies
bash: cd: recipies: No such file or directory
root@WPL-31:~/myname/junk# cd recipes
root@WPL-31:~/myname/junk/recipes# cd pie
root@WPL-31:~/myname/junk/recipes/pie# cd apple
root@WPL-31:~/myname/junk/recipes/pie/apple# rm dish1
rm: cannot remove 'dish1': No such file or directory
root@WPL-31:~/myname/junk/recipes/pie/apple# cd ..
root@WPL-31:~/myname/junk/recipes/pie# cd cookie
bash: cd: cookie: No such file or directory
root@WPL-31:~/myname/junk/recipes/pie# cd ..
root@WPL-31:~/myname/junk/recipes# cd cookies
bash: cd: cookies: No such file or directory
root@WPL-31:~/myname/junk/recipes# cd cookie
root@WPL-31:~/myname/junk/recipes/cookie# rm cookie1
root@WPL-31:~/myname/junk/recipes/cookie# rm cookie2
root@WPL-31:~/myname/junk/recipes/cookie# cd ~
root@WPL-31:~# cd myname
root@WPL-31:~/myname# cd junk
root@WPL-31:~/myname/junk# rmdir recipe
rmdir: failed to remove 'recipe': No such file or directory
root@WPL-31:~/myname/junk# rmdir -r recipe
rmdir: invalid option -- 'r'
Try 'rmdir --help' for more information.
root@WPL-31:~/myname/junk# rmdir recipe*
rmdir: failed to remove 'recipes': Directory not empty
root@WPL-31:~/myname/junk# rm -r recipes
root@WPL-31:~/myname/junk#
```

