

**Que.1** write the command to check users are currently login on your system. Also find how many users are logged in.

```
~$ whoami
user
~$
```

```
~$ who|wc -l
0
~$
```

**QUE.2** find the present Directory you are work in.

```
~$ pwd
/home/user
~$
```

**QUE.3** Create a directory of your name in your home directory. Create a file in the directory and given the following permission to it using relative method:

. create the directory:

```
~$ mkdir ~/babychanda
```

. change into the newly created directory:

```
~$ cd ~/babychanda
```

. creating a file into the directory:

```
~/babychanda$ cat>file.txt
hello friends,
i have complete my assignment today .
^Z
[1]+  Stopped                  cat > file.txt
```

**To cheack permissions:**

```
~/babychanda$ ls -l
total 1
-rw-r--r-- 1 user user 53 Sep 26 05:06 file.txt
~/babychanda$
```

**Permissions:**

a. Rw to user and none to group and others.

```
~/babychanda$ chmod u=rw,go= ~/babychanda/file.txt
~/babychanda$ ls -l
total 1
-rw----- 1 user user 53 Sep 26 05:06 file.txt
~/babychanda$
```

**b. Make a file non-editable.**

```
~/babychanda$ chmod u-w ~/babychanda/file.txt
~/babychanda$ ls -l
total 1
-r----- 1 user user 53 Sep 26 05:06 file.txt
~/babychanda$
```

**c. All permission to everyone.**

```
~/babychanda$ chmod a+rwX ~/babychanda/file.txt
~/babychanda$ ls -l
total 1
-rwxrwxrwx 1 user user 53 Sep 26 05:06 file.txt
~/babychanda$
```

**QUE 4. Create a file of your name in your home directory. Give the following permissions to it using relative method using absolute method:**

```
~$ mkdir second
~$ cd ~/second
~/second$ cat> file2.txt
this is my editable file.
^Z
[41]+ Stopped
```

**Permissions:**

```
~/second$ ls
file2.txt
~/second$ ls -l
total 1
-rw-r--r-- 1 user user 26 Sep 26 05:27 file2.txt
~/second$
```

- rw to user and none to group and others

```
~/second$ chmod 600 ~/second/file2.txt
~/second$ ls -l
total 1
-rw----- 1 user user 26 Sep 26 05:27 file2.txt
~/second$
```

- make the file non-editable

```
~/second$ chmod 444 ~/second/file2.txt
~/second$ ls -l
total 1
-r--r--r-- 1 user user 26 Sep 26 05:27 file2.txt
~/second$
```

- all permissions:

```
~/second$ chmod 777 ~/second/file2.txt
~/second$ ls -l
total 1
-rwxrwxrwx 1 user user 26 Sep 26 05:27 file2.txt
~/second$
```

**QUE 5. Create a directory in your home directory with a file in it. Then move the directory to 'Desktop'. Also, rename the file.**

- Creating a directory..

```
~$ mkdir my_directory
~$
```

- File in new created directory

```
~$ cd ~/my_directory
~/my_directory$ cat> first.txt
^Z
[5]+  Stopped                  cat > first.txt
~/my_directory$
~/my_directory$
```

- Moving the directory to the desktop..

```
~/my_directory$ mv ~/my_directory ~/Desktop
~/my_directory$
```

- Renaming the file ...

```
~/my_directory$ mv ~/my_directory ~/Desktop
~/my_directory$ mv ~/Desktop/my_directory/first.txt ~/Desktop/my_directory/new_first.txt
~/my_directory$ ls
new_first.txt
~/my_directory$
```

**QUE 6. Create a directory and then rename it to "NewFolder".**

```
~$ mkdir new_directory
~$ mv new_directory old_directory
~$
```

**QUE 7. Copy multiple files from your folder on Desktop folder named as 'copyfolder'.**

```
~/babychanda$ cp * ~/copyfolder
~/babychanda$ ls
file.txt  file2  filesystem
~/babychanda$ cd ~/copyfolder
~/copyfolder$ ls
file.txt  file2  filesystem
~/copyfolder$ █
```

**QUE 8. Move multiples files to your folder named as 'movefolder' from 'Desktop'.**

```
~/Desktop$ mv ~/Desktop/* ~/movefolder
~/Desktop$ ls
~/Desktop$ cd ~/movefolder
~/movefolder$ ls
my_directory  thirdfile
~/movefolder$ █
```

---

**QUE 9. Write the command to jump to your home directory.**

```
~/movefolder$ cd ~
~$ █
```

**QUE 10. Create 'test1' and 'test2' directory and then remove both using a single command.**

```
~$ mkdir test1 test2
~$ rm -r test1 test2
~$ █
```

**QUE 11. Remove multiple files through a single command.**

```
~$ ls
2023-09-26-file-1.term  2023-09-26-file-2.term  desktop  f1.txt  f2.txt  f3.txt  movefolder
~$ rm f1.txt f2.txt f3.txt
~$ ls
2023-09-26-file-1.term  2023-09-26-file-2.term  desktop  movefolder
~$ █
```

**QUE 12. Create a directory having some files in it. Then without removing file individually, remove the entire directory.**

```
~/babychanda$ cd
~$ rm -rf babychanda
~$ cd ~/babychanda
bash: cd: /home/user/babychanda: No such file or directory
~$ █
```

**QUE 13. Display all commands executed today.**

```

~$ history
 1  whoami
 2  pwd
 3  mkdir chanda
 4  cd ~
 5  mkdir ~/babychanda
 6  cd ~/babychanda
 7  cat>file.txt
 8  ls -l
 9  chmod u=rw,go= ~/file.txt
10  chmod u=rw,go= ~/babychanda/file.txt
11  ls -l
12  chmod u-w ~/babychanda/file.txt
13  ls -l
14  chmod a+rwX ~/babychanda/file.txt
15  ls -l
16  chmod 600 ~/file.txt
17  cat> file2
18  clear
19  cat> filesystem
20  ls -l
21  chmod 600 ~/filesystem
22  cd ~
23  mkdir second dir
24  cd ~/second dir
25  ls
26  cd ~/second
27  cat> file2.txt
28  ls

```

---

**QUE 14. Display 3 months consecutive calender.**

```

~$ cal -3
      August 2023      September 2023      October 2023
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 5              1 2          1 2 3 4 5 6 7
6 7 8 9 10 11 12      3 4 5 6 7 8 9      8 9 10 11 12 13 14
13 14 15 16 17 18 19  10 11 12 13 14 15 16  15 16 17 18 19 20 21
20 21 22 23 24 25 26  17 18 19 20 21 22 23  22 23 24 25 26 27 28
27 28 29 30 31        24 25 26 27 28 29 30  29 30 31

~$ █

```

**QUE 15. Find the process running on your system. Close the she4lkl using kill command.**

```

~$ ps
PID TTY          TIME CMD
 427 pts/0        00:00:00 bash
 709 pts/0        00:00:00 cat
1081 pts/0        00:00:00 cat
1102 pts/0        00:00:00 cat
1177 pts/0        00:00:00 cat
1442 pts/0        00:00:00 cat
2776 pts/0        00:00:00 cat
3294 pts/0        00:00:00 ps

```

```
~$ kill 427
~$
```

**QUE 16. Print today's date.**

```
~$ date
Tue Sep 26 09:26:22 UTC 2023
~$
```

**QUE 17. Create a file with 10 lines display the first 5 lines and 3 last lines of the file.**

```
~$ cat > chanda.txt
line1
line2
line3
line4
line5
line6
line7
line8
line9
line10
^Z
[1]+  Stopped                  cat > chanda.txt
~$ head -n 5 chanda.txt
line1
line2
line3
line4
line5
~$ tail -n 3 chanda.txt
tail: cannot open 'chanda' for reading: No such file or directory
tail: cannot open 'txt' for reading: No such file or directory
~$ tail -n 3 chanda.txt
line8
line9
line10
```

**QUE.18 Create a file on desktop.**

1. Copy file to 'Desktop' with a different name
2. Copy from your home directory to 'Desktop' with a different name
3. Create another folder on 'Desktop' and copy to it.

```
~$ mkdir desktop
~$ mkdir newfolder
~$ touch file1.txt
~$ mv file1.txt desktop
~$ ls desktop
file1.txt
~$ cd desktop
~/desktop$ mv file1.txt file2.txt
~/desktop$ ls
file2.txt
~/desktop$ mv file2.txt ../newfolder
~/desktop$ cd
~$ ls new folder
ls: cannot access 'new': No such file or directory
ls: cannot access 'folder': No such file or directory
~$ ls newfolder
file2.txt
```