

DTL – ASSIGNMENT

LINUX COMMANDS

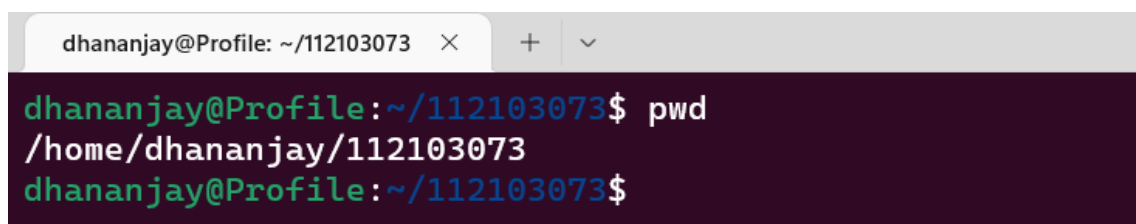
Name: Dhananjay Kokate

MIS: 112103073

Division: 1

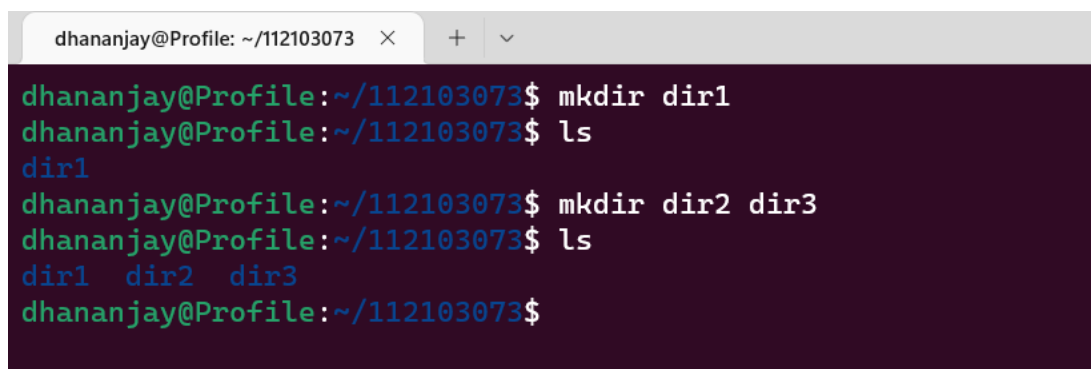
Batch: S5

1.pwd

A terminal window with a dark purple background. The title bar shows 'dhananjay@Profile: ~/112103073' with a close button (X) and window controls (+ and v). The terminal text shows the user 'dhananjay@Profile' at the prompt '~ /112103073\$' typing 'pwd'. The output is '/home/dhananjay/112103073'. The prompt then changes to '~ /112103073\$' after the command is executed.

```
dhananjay@Profile: ~/112103073$ pwd
/home/dhananjay/112103073
dhananjay@Profile: ~/112103073$
```

2. mkdir

A terminal window with a dark purple background. The title bar shows 'dhananjay@Profile: ~/112103073' with a close button (X) and window controls (+ and v). The terminal text shows the user 'dhananjay@Profile' at the prompt '~ /112103073\$' typing 'mkdir dir1'. Then 'ls' is typed, and the output 'dir1' is shown. Next, 'mkdir dir2 dir3' is typed, followed by 'ls', which outputs 'dir1 dir2 dir3'. The prompt then changes to '~ /112103073\$' after the final command.

```
dhananjay@Profile: ~/112103073$ mkdir dir1
dhananjay@Profile: ~/112103073$ ls
dir1
dhananjay@Profile: ~/112103073$ mkdir dir2 dir3
dhananjay@Profile: ~/112103073$ ls
dir1 dir2 dir3
dhananjay@Profile: ~/112103073$
```

3.cd

```
dhanaanjay@Profile: ~/112103073  ×  +  ∨  
dhanaanjay@Profile:~/112103073$ mkdir dir1  
dhanaanjay@Profile:~/112103073$ ls  
dir1  
dhanaanjay@Profile:~/112103073$ mkdir dir2 dir3  
dhanaanjay@Profile:~/112103073$ ls  
dir1  dir2  dir3  
dhanaanjay@Profile:~/112103073$ cd dir1  
dhanaanjay@Profile:~/112103073/dir1$ ls  
dhanaanjay@Profile:~/112103073/dir1$ cd ..  
dhanaanjay@Profile:~/112103073$ ls  
dir1  dir2  dir3  
dhanaanjay@Profile:~/112103073$
```

4.rmdir

```
dhanaanjay@Profile: ~/112103073  ×  +  ∨  
dhanaanjay@Profile:~/112103073$ mkdir dir1  
dhanaanjay@Profile:~/112103073$ ls  
dir1  
dhanaanjay@Profile:~/112103073$ mkdir dir2 dir3  
dhanaanjay@Profile:~/112103073$ ls  
dir1  dir2  dir3  
dhanaanjay@Profile:~/112103073$ cd dir1  
dhanaanjay@Profile:~/112103073/dir1$ ls  
dhanaanjay@Profile:~/112103073/dir1$ cd ..  
dhanaanjay@Profile:~/112103073$ ls  
dir1  dir2  dir3  
dhanaanjay@Profile:~/112103073$ rmdir dir3  
dhanaanjay@Profile:~/112103073$ ls  
dir1  dir2  
dhanaanjay@Profile:~/112103073$ cd dir2  
dhanaanjay@Profile:~/112103073/dir2$ mkdir newdir  
dhanaanjay@Profile:~/112103073/dir2$ cd ..  
dhanaanjay@Profile:~/112103073$ rmdir dir2  
rmdir: failed to remove 'dir2': Directory not empty  
dhanaanjay@Profile:~/112103073$ rm -rf dir2  
dhanaanjay@Profile:~/112103073$ ls  
dir1  
dhanaanjay@Profile:~/112103073$ █
```

5.clear

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073$ cd dir1  
dhananjay@Profile:~/112103073/dir1$ ls  
dhananjay@Profile:~/112103073/dir1$ mkdir subdir  
dhananjay@Profile:~/112103073/dir1$ cd subdir  
dhananjay@Profile:~/112103073/dir1/subdir$ ls  
dhananjay@Profile:~/112103073/dir1/subdir$ c ..  
c: command not found  
dhananjay@Profile:~/112103073/dir1/subdir$ rmdir subdir  
rmdir: failed to remove 'subdir': No such file or directory  
dhananjay@Profile:~/112103073/dir1/subdir$ clear
```

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dir1/subdir$
```

6.touch

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073$ ls  
dir1  
dhananjay@Profile:~/112103073$ touch file1.txt  
dhananjay@Profile:~/112103073$ ls  
dir1  file1.txt  
dhananjay@Profile:~/112103073$ touch /home/dhananjay/112103073/dir1/newfile.txt  
dhananjay@Profile:~/112103073$ cd dtr1  
-bash: cd: dtr1: No such file or directory  
dhananjay@Profile:~/112103073$ cd dir1  
dhananjay@Profile:~/112103073/dir1$ ls  
newfile.txt  subdir  
dhananjay@Profile:~/112103073/dir1$
```

7. rm

```
dhanaanjay@Profile: ~/112103073  ×  +  ∨
dhanaanjay@Profile:~/112103073$ ls
dir1
dhanaanjay@Profile:~/112103073$ touch file1.txt
dhanaanjay@Profile:~/112103073$ ls
dir1  file1.txt
dhanaanjay@Profile:~/112103073$ touch /home/dhanaanjay/112103073/dir1/newfile.txt
dhanaanjay@Profile:~/112103073$ cd dtr1
-bash: cd: dtr1: No such file or directory
dhanaanjay@Profile:~/112103073$ cd dir1
dhanaanjay@Profile:~/112103073/dir1$ ls
newfile.txt  subdir
dhanaanjay@Profile:~/112103073/dir1$ rm newfile.txt
dhanaanjay@Profile:~/112103073/dir1$ ls
subdir
dhanaanjay@Profile:~/112103073/dir1$ rmdir subdir
dhanaanjay@Profile:~/112103073/dir1$ ls
dhanaanjay@Profile:~/112103073/dir1$
```

8. echo

```
dhanaanjay@Profile: ~/112103073  ×  +  ∨
dhanaanjay@Profile:~/112103073/dtl/div1$ echo DHANANJAY
DHANANJAY
dhanaanjay@Profile:~/112103073/dtl/div1$ echo " DTL Assignment "
 DTL Assignment
dhanaanjay@Profile:~/112103073/dtl/div1$ echo " COEP Tech"
 COEP Tech
dhanaanjay@Profile:~/112103073/dtl/div1$ echo -e "COEP \is \my college"
COEP \is \my college
dhanaanjay@Profile:~/112103073/dtl/div1$ echo -e "COEP \is \my \college"
COEP \is \my dhanaanjay@Profile:~/112103073/dtl/div1$ echo -e "COEP \bis \bmy \bcollege"
COEPismycollege
dhanaanjay@Profile:~/112103073/dtl/div1$
```

9.cat

```
dhananjay@Profile:~/112103073/dtl/div1$ ls
dhananjay@Profile:~/112103073/dtl/div1$ cat > file1.txt
^C
dhananjay@Profile:~/112103073/dtl/div1$ ls
file1.txt
dhananjay@Profile:~/112103073/dtl/div1$ cat > file1.txt
Hello I'm Dhananjay
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat >> file1.txt
This line will get appended to the content of file1.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$
dhananjay@Profile:~/112103073/dtl/div1$ cat >> file2.txt
This line is in file2.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt >> file2.txt
dhananjay@Profile:~/112103073/dtl/div1$ cat file2.txt
This line is in file2.
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat > file3.txt
I study in COEP.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file2.txt
This line is in file2.
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file3.txt
I study in COEP.
```

```
dhananjay@Profile:~/112103073/dtl/div1$ cat > file3.txt
I study in COEP.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file2.txt
This line is in file2.
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file3.txt
I study in COEP.
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt file3.txt > mergedfile.txt
dhananjay@Profile:~/112103073/dtl/div1$ cat mergedfile.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
I study in COEP.
dhananjay@Profile:~/112103073/dtl/div1$
```

10. cp

```
dhananjay@Profile: ~/112103073  ×  +  ▾
dhananjay@Profile:~/112103073/dtl/div1$ cd ..
dhananjay@Profile:~/112103073/dtl$ ls
div1
dhananjay@Profile:~/112103073/dtl$ mkdir dir2 dir2
mkdir: cannot create directory 'dir2': File exists
dhananjay@Profile:~/112103073/dtl$ mkdir dir3
dhananjay@Profile:~/112103073/dtl$ ls
dir2  dir3  div1
dhananjay@Profile:~/112103073/dtl$ touch file1.txt
dhananjay@Profile:~/112103073/dtl$ ls
dir2  dir3  div1  file1.txt
dhananjay@Profile:~/112103073/dtl$ cp file1.txt /home/dhananjay/112103073/dtl/dir2
dhananjay@Profile:~/112103073/dtl$ ls
dir2  dir3  div1  file1.txt
dhananjay@Profile:~/112103073/dtl$ cd dir2
dhananjay@Profile:~/112103073/dtl/dir2$ ls
file1.txt
dhananjay@Profile:~/112103073/dtl/dir2$ █
```

11. mv

```
dhananjay@Profile: ~/dtl/dir3  ×  +  ▾
dhananjay@Profile:~/dtl$ mkdir dir1 dir2 dir3
dhananjay@Profile:~/dtl$ touch file1.txt
dhananjay@Profile:~/dtl$ ls
dir1  dir2  dir3  file1.txt
dhananjay@Profile:~/dtl$ mv file1.txt /home/dhananjay/dtl/dir3
dhananjay@Profile:~/dtl$ l
dir1/  dir2/  dir3/
dhananjay@Profile:~/dtl$ ls
dir1  dir2  dir3
dhananjay@Profile:~/dtl$ cd dir3
dhananjay@Profile:~/dtl/dir3$ ls
file1.txt
dhananjay@Profile:~/dtl/dir3$
```

12. ls

```
dhanaanjay@Profile: ~/112103073  ×  +  ∨
dhanaanjay@Profile:~/112103073$ ls
dir1  dtl  file1.txt
dhanaanjay@Profile:~/112103073$ cd dir1
dhanaanjay@Profile:~/112103073/dir1$ ls
dhanaanjay@Profile:~/112103073/dir1$ cd dtl
-bash: cd: dtl: No such file or directory
dhanaanjay@Profile:~/112103073/dir1$ cd ..
dhanaanjay@Profile:~/112103073$ cd dtl
dhanaanjay@Profile:~/112103073/dtl$ ls
dir2  dir3  div1  file1.txt
dhanaanjay@Profile:~/112103073/dtl$ cd div1
dhanaanjay@Profile:~/112103073/dtl/div1$ ls
file1.txt file2.txt file3.txt mergedfile.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ ls -a
.  ..  file1.txt file2.txt file3.txt mergedfile.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ ls *[0-9]*
file1.txt file2.txt file3.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ ls -f
mergedfile.txt file1.txt file2.txt file3.txt .. .
dhanaanjay@Profile:~/112103073/dtl/div1$ ls -F
file1.txt file2.txt file3.txt mergedfile.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ ls -l
total 16
-rw-r--r-- 1 dhanaanjay dhanaanjay 74 Feb  7 20:20 file1.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 97 Feb  7 20:21 file2.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 17 Feb  7 20:22 file3.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 91 Feb  7 20:23 mergedfile.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ chmod u+x file1.txt
dhanaanjay@Profile:~/112103073/dtl/div1$ ls -l
total 16
-rwxr--r-- 1 dhanaanjay dhanaanjay 74 Feb  7 20:20 file1.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 97 Feb  7 20:21 file2.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 17 Feb  7 20:22 file3.txt
-rw-r--r-- 1 dhanaanjay dhanaanjay 91 Feb  7 20:23 mergedfile.txt
dhanaanjay@Profile:~/112103073/dtl/div1$
```

13. less

```
dhnanjay@Profile: ~/112103073  x  +  v
dhnanjay@Profile:~/112103073/dt1/div1$ cat > pollution.txt
Pollution is the introduction of harmful materials into the environment. These harmful materials are called pollutants. Pollutants can be natural, such as volcanic ash. They can also be created by human activity, such as trash or runoff produced by factories. Pollutants damage the quality of air, water, and land.

Many things that are useful to people produce pollution. Cars spew pollutants from their exhaust pipes. Burning coal to create electricity pollutes the air. Industries and homes generate garbage and sewage that can pollute the land and water. Pesticides—chemical poisons used to kill weeds and insects—seep into waterways and harm wildlife.

All living things—from one-celled microbes to blue whales—depend on Earth’s supply of air and water. When these resources are polluted, all forms of life are threatened.

Pollution is a global problem. Although urban areas are usually more polluted than the countryside, pollution can spread to remote places where no people live. For example, pesticides and other chemicals have been found in the Antarctic ice sheet. In the middle of the northern Pacific Ocean, a huge collection of microscopic plastic particles forms what is known as the Great Pacific Garbage Patch.

Air and water currents carry pollution. Ocean currents and migrating fish carry marine pollutants far and wide. Winds can pick up radioactive material accidentally released from a nuclear reactor and scatter it around the world. Smoke from a factory in one country drifts into another country.

In the past, visitors to Big Bend National Park in the U.S. state of Texas could see 290 kilometers (180 miles) across the vast landscape. Now, coal-burning power plants in Texas and the neighboring state of Chihuahua, Mexico have spewed so much pollution into the air that visitors to Big Bend can sometimes see only 50 kilometers (30 miles).

The three major types of pollution are air pollution, water pollution, and land pollution.
^C
dhnanjay@Profile:~/112103073/dt1/div1$ ls
file1.txt file2.txt file3.txt mergedfile.txt pollution.txt
dhnanjay@Profile:~/112103073/dt1/div1$ less pollution.txt
dhnanjay@Profile:~/112103073/dt1/div1$
```

```
dhnanjay@Profile: ~/112103073  x  +  v

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The three major types of pollution are air pollution, water pollution, and land pollution.
pollution.txt (END)
```

14. head


```
dhananjay@Profile: ~/112103073  ×  +  ▾
dhananjay@Profile:~/112103073/dtl/dir1$ ls
file1.txt  file2.txt  file3.txt  pollution.txt
dhananjay@Profile:~/112103073/dtl/dir1$ head pollution.txt
Pollution is the introduction of harmful materials into the environment. These harmful materials are called pollutants. Pollutants can be natural, such as volcanic ash. They can also be created by human activity, such as trash or runoff produced by factories. Pollutants damage the quality of air, water, and land.

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Air and water currents carry pollution. Ocean currents and migrating fish carry marine pollutants far and wide. Winds can pick up radioactive material accidentally released from a nuclear reactor and scatter it around the world. Smoke from a factory in one country drifts into another country.

dhananjay@Profile:~/112103073/dtl/dir1$
```

15. tail

```
dhananjay@Profile: ~/112103073  ×  +  ▾
dhananjay@Profile:~/112103073/dtl/dir1$ ls
file1.txt  file2.txt  file3.txt  pollution.txt
dhananjay@Profile:~/112103073/dtl/dir1$ tail pollution.txt

All living things—from one-celled microbes to blue whales—depend on Earth's supply of air and water. When these resources are polluted, all forms of life are threatened.

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The three major types of pollution are air pollution, water pollution, and land pollution.
dhananjay@Profile:~/112103073/dtl/dir1$ █
```

17. find

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ find dtl  
dtl  
dtl/dir3  
dtl/dir3/file1.txt  
dtl/dir2  
dtl/dir1  
dtl/dir1/globalwarming.txt  
dhanaanjay@Profile:~$
```

18. df

```
dhanaanjay@Profile: ~/dtl/dir1  
dhanaanjay@Profile:~$ cd dtl  
dhanaanjay@Profile:~/dtl$ ls  
dir1  dir2  dir3  
dhanaanjay@Profile:~/dtl$ cd dir1  
dhanaanjay@Profile:~/dtl/dir1$ df  
Filesystem      1K-blocks      Used Available Use% Mounted on  
/dev/sdb        263174212    1531640 248204416   1% /  
none            1970428         4   1970424   1% /mnt/wsl  
tools           475474244 225655224 249819020  48% /init  
none            1970428         0   1970428   0% /run  
none            1970428         0   1970428   0% /run/lock  
none            1970428         0   1970428   0% /run/shm  
none            1970428         0   1970428   0% /run/user  
tmpfs           1970428         0   1970428   0% /sys/fs/cgroup  
drivers         475474244 225655224 249819020  48% /usr/lib/wsl/drivers  
lib             475474244 225655224 249819020  48% /usr/lib/wsl/lib  
drvfs           475474244 225655224 249819020  48% /mnt/c  
dhanaanjay@Profile:~/dtl/dir1$
```

```
dhanaanjay@Profile: ~/dtl/dir1  ×  +  ▾

dhanaanjay@Profile:~/dtl/dir1$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sdb        251G  1.5G  237G   1% /
none            1.9G  4.0K  1.9G   1% /mnt/wsl
tools           454G  216G  239G  48% /init
none            1.9G   0    1.9G   0% /run
none            1.9G   0    1.9G   0% /run/lock
none            1.9G   0    1.9G   0% /run/shm
none            1.9G   0    1.9G   0% /run/user
tmpfs           1.9G   0    1.9G   0% /sys/fs/cgroup
drivers         454G  216G  239G  48% /usr/lib/wsl/drivers
lib             454G  216G  239G  48% /usr/lib/wsl/lib
drvfs           454G  216G  239G  48% /mnt/c
dhanaanjay@Profile:~/dtl/dir1$ █
```

19. du

```
dhanaanjay@Profile: ~/dtl/dir1  ×  +  ▾

dhanaanjay@Profile:~/dtl/dir1$ du /home/dhanaanjay/dtl/
4      /home/dhanaanjay/dtl/dir3
4      /home/dhanaanjay/dtl/dir2
8      /home/dhanaanjay/dtl/dir1
20     /home/dhanaanjay/dtl/
dhanaanjay@Profile:~/dtl/dir1$ du -s /home/dhanaanjay/dtl/
20     /home/dhanaanjay/dtl/
dhanaanjay@Profile:~/dtl/dir1$ du -m /home/dhanaanjay/dtl/
1      /home/dhanaanjay/dtl/dir3
1      /home/dhanaanjay/dtl/dir2
1      /home/dhanaanjay/dtl/dir1
1      /home/dhanaanjay/dtl/
dhanaanjay@Profile:~/dtl/dir1$ du -k /home/dhanaanjay/dtl/
4      /home/dhanaanjay/dtl/dir3
4      /home/dhanaanjay/dtl/dir2
8      /home/dhanaanjay/dtl/dir1
20     /home/dhanaanjay/dtl/
dhanaanjay@Profile:~/dtl/dir1$ du -h /home/dhanaanjay/dtl/
4.0K   /home/dhanaanjay/dtl/dir3
4.0K   /home/dhanaanjay/dtl/dir2
8.0K   /home/dhanaanjay/dtl/dir1
20K    /home/dhanaanjay/dtl/
dhanaanjay@Profile:~/dtl/dir1$ █
```

20. cat

```
dhananjay@Profile: ~/112103073  ×  +  ~
dhananjay@Profile:~/112103073/dtl/div1$ ls
dhananjay@Profile:~/112103073/dtl/div1$ cat > file1.txt
^C
dhananjay@Profile:~/112103073/dtl/div1$ ls
file1.txt
dhananjay@Profile:~/112103073/dtl/div1$ cat > file1.txt
Hello I'm Dhananjay
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat >> file1.txt
This line will get appended to the content of file1.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$
dhananjay@Profile:~/112103073/dtl/div1$ cat >> file2.txt
This line is in file2.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt >> file2.txt
dhananjay@Profile:~/112103073/dtl/div1$ cat file2.txt
This line is in file2.
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat > file3.txt
I study in COEP.
^C
dhananjay@Profile:~/112103073/dtl/div1$ cat file1.txt
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file2.txt
This line is in file2.
Hello I'm Dhananjay
This line will get appended to the content of file1.
dhananjay@Profile:~/112103073/dtl/div1$ cat file3.txt
I study in COEP.
```

21. tar

```
dhananjay@Profile: ~/dtl
dhananjay@Profile:~/dtl$ ls
dir1 dir2 dir3
dhananjay@Profile:~/dtl$ tar -cvf newarchive.tar /home/dhananjay/dtl/dir1
tar: Removing leading '/' from member names
/home/dhananjay/dtl/dir1/
/home/dhananjay/dtl/dir1/globalwarming.txt
dhananjay@Profile:~/dtl$ ls
dir1 dir2 dir3 newarchive.tar
dhananjay@Profile:~/dtl$
```

22. zip unzip

```
dhananjay@Profile: ~/dtl
dhananjay@Profile:~/dtl$ ls
dir1 dir2 dir3 newarchive.tar
dhananjay@Profile:~/dtl$ zip newzip.zip /home/dhananjay/dtl/dir1
adding: home/dhananjay/dtl/dir1/ (stored 0%)
dhananjay@Profile:~/dtl$ ls
dir1 dir2 dir3 newarchive.tar newzip.zip
dhananjay@Profile:~/dtl$ unzip newzip.zip
Archive: newzip.zip
creating: home/dhananjay/dtl/dir1/
dhananjay@Profile:~/dtl$ ls
dir1 dir2 dir3 home newarchive.tar newzip.zip
dhananjay@Profile:~/dtl$
```

23. sudo

```
dhananjay@Profile: ~/dtl
dhananjay@Profile:~/dtl$ sudo apt install zip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
zip is already the newest version (3.0-12build2).
0 upgraded, 0 newly installed, 0 to remove and 40 not upgraded.
dhananjay@Profile:~/dtl$
```

24. chmod

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dtl/dir1$ ls  
file1.txt file2.txt file3.txt pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ ls -l  
total 4  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file1.txt  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file2.txt  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file3.txt  
-rw-r--r-- 1 dhananjay dhananjay 1971 Feb  7 21:44 pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ chmod +x file2.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ ls  
file1.txt file2.txt file3.txt pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ ls -l  
total 4  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file1.txt  
-rwxr-xr-x 1 dhananjay dhananjay  0 Feb  7 21:48 file2.txt  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file3.txt  
-rw-r--r-- 1 dhananjay dhananjay 1971 Feb  7 21:44 pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ chmod +777 file1.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ ls -l  
total 4  
-rwxrwxrwx 1 dhananjay dhananjay  0 Feb  7 21:48 file1.txt  
-rwxr-xr-x 1 dhananjay dhananjay  0 Feb  7 21:48 file2.txt  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file3.txt  
-rw-r--r-- 1 dhananjay dhananjay 1971 Feb  7 21:44 pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ chmod -311 file2.txt  
dhananjay@Profile:~/112103073/dtl/dir1$ ls -l  
total 4  
-rwxrwxrwx 1 dhananjay dhananjay  0 Feb  7 21:48 file1.txt  
-r--r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file2.txt  
-rw-r--r-- 1 dhananjay dhananjay  0 Feb  7 21:48 file3.txt  
-rw-r--r-- 1 dhananjay dhananjay 1971 Feb  7 21:44 pollution.txt  
dhananjay@Profile:~/112103073/dtl/dir1$
```

25. hostname

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dtl/dir1$ hostname  
Profile  
dhananjay@Profile:~/112103073/dtl/dir1$
```

26. ifconfig

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dtl$ whatis ifconfig  
ifconfig (8)          - configure a network interface  
dhananjay@Profile:~/112103073/dtl$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500  
    inet 172.20.217.241  netmask 255.255.240.0  broadcast 172.20.223.255  
    inet6 fe80::215:5dff:fec0:5f2b  prefixlen 64  scopeid 0x20<link>  
    ether 00:15:5d:c0:5f:2b  txqueuelen 1000  (Ethernet)  
    RX packets 5636  bytes 1161466 (1.1 MB)  
    RX errors 0  dropped 0  overruns 0  frame 0  
    TX packets 413  bytes 34724 (34.7 KB)  
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536  
    inet 127.0.0.1  netmask 255.0.0.0  
    inet6 ::1  prefixlen 128  scopeid 0x10<host>  
    loop txqueuelen 1000  (Local Loopback)  
    RX packets 0  bytes 0 (0.0 B)  
    RX errors 0  dropped 0  overruns 0  frame 0  
    TX packets 0  bytes 0 (0.0 B)  
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0  
  
dhananjay@Profile:~/112103073/dtl$ ifconfig -v  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500  
    inet 172.20.217.241  netmask 255.255.240.0  broadcast 172.20.223.255  
    inet6 fe80::215:5dff:fec0:5f2b  prefixlen 64  scopeid 0x20<link>  
    ether 00:15:5d:c0:5f:2b  txqueuelen 1000  (Ethernet)  
    RX packets 5636  bytes 1161466 (1.1 MB)  
    RX errors 0  dropped 0  overruns 0  frame 0  
    TX packets 413  bytes 34724 (34.7 KB)  
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536  
    inet 127.0.0.1  netmask 255.0.0.0  
    inet6 ::1  prefixlen 128  scopeid 0x10<host>  
    loop txqueuelen 1000  (Local Loopback)  
    RX packets 0  bytes 0 (0.0 B)  
    RX errors 0  dropped 0  overruns 0  frame 0  
    TX packets 0  bytes 0 (0.0 B)  
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0  
  
dhananjay@Profile:~/112103073/dtl$ ifconfig -s  
Iface      MTU      RX-OK RX-ERR RX-DRP RX-OVR      TX-OK TX-ERR TX-DRP TX-OVR Flg  
eth0       1500      5636    0      0  0      413    0      0      0  0 BMRU  
lo         65536      0      0      0  0      0      0      0      0  0 LRU  
dhananjay@Profile:~/112103073/dtl$
```

27 free

```
dhanaanjay@Profile: ~/112103073 x + v
dhanaanjay@Profile:~/112103073/dtl$ free
              total        used        free      shared  buff/cache   available
Mem:           3940860       86592       3669268          72       185000       3645724
Swap:          1048576           0       1048576
dhanaanjay@Profile:~/112103073/dtl$ free -m
              total        used        free      shared  buff/cache   available
Mem:             3848          84         3583           0          180         3560
Swap:            1024           0         1024
dhanaanjay@Profile:~/112103073/dtl$ free -k
              total        used        free      shared  buff/cache   available
Mem:          3940860       86396       3669464          72       185000       3645920
Swap:          1048576           0       1048576
dhanaanjay@Profile:~/112103073/dtl$ free -b
              total        used        free      shared  buff/cache   available
Mem:    4035440640      88604672      3757395968       73728     189440000     3733286912
Swap:    1073741824           0     1073741824
dhanaanjay@Profile:~/112103073/dtl$
```

28. watch

```
dhanaanjay@Profile: ~/112103073 x + v
dhanaanjay@Profile:~/112103073/dtl$ watch -d free -m

[1]+  Stopped                  watch -d free -m
dhanaanjay@Profile:~/112103073/dtl$
```

```
dhanaanjay@Profile: ~/112103073 x + v
Every 2.0s: free -m
              total        used        free      shared  buff/cache   available
Mem:             3848          84         3582           0          181         3559
Swap:            1024           0         1024
```

29. cal


```
dhananjay@Profile:~/112103073/dtl$ cal
```

```
February 2023
```

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				

```
dhananjay@Profile:~/112103073/dtl$ ncal
```

```
February 2023
```

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

```
dhananjay@Profile:~/112103073/dtl$
```

```
dhananjay@Profile:~/112103073/dtl$ cal 2023
```

```
2023
```

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

```
dhananjay@Profile:~/112103073/dtl$
```

30. useradd

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dtl$ ls /home/  
dhananjay  
dhananjay@Profile:~/112103073/dtl$ sudo useradd vampire -m  
dhananjay@Profile:~/112103073/dtl$ sudo passwd vampire  
New password:  
Retype new password:  
passwd: password updated successfully  
dhananjay@Profile:~/112103073/dtl$
```

31. userdel

```
dhananjay@Profile: ~/112103073  ×  +  ∨  
dhananjay@Profile:~/112103073/dtl$ ls /home/  
dhananjay  vampire  
dhananjay@Profile:~/112103073/dtl$ sudo userdel -r vampire  
userdel: vampire mail spool (/var/mail/vampire) not found  
dhananjay@Profile:~/112103073/dtl$ ls /home/  
dhananjay  
dhananjay@Profile:~/112103073/dtl$ █
```

32. top

```
dhananjay@Profile: ~  
top - 22:39:22 up 1:00, 0 users, load average: 0.00, 0.00, 0.00  
Tasks: 6 total, 1 running, 4 sleeping, 1 stopped, 0 zombie  
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni, 100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 3848.5 total, 3579.3 free, 85.8 used, 183.4 buff/cache  
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 3557.7 avail Mem  


| PID | USER     | PR | NI | VIRT | RES  | SHR  | S | %CPU | %MEM | TIME+   | COMMAND |
|-----|----------|----|----|------|------|------|---|------|------|---------|---------|
| 1   | root     | 20 | 0  | 1816 | 1184 | 1108 | S | 0.0  | 0.0  | 0:00.04 | init    |
| 8   | root     | 20 | 0  | 2164 | 376  | 0    | S | 0.0  | 0.0  | 0:00.00 | init    |
| 9   | root     | 20 | 0  | 2172 | 376  | 0    | S | 0.0  | 0.0  | 0:00.60 | init    |
| 10  | dhananj+ | 20 | 0  | 6332 | 5356 | 3504 | S | 0.0  | 0.1  | 0:00.83 | bash    |
| 377 | dhananj+ | 20 | 0  | 4032 | 3036 | 2344 | T | 0.0  | 0.1  | 0:00.03 | watch   |
| 555 | dhananj+ | 20 | 0  | 7796 | 3644 | 3044 | R | 0.0  | 0.1  | 0:00.00 | top     |


```

33 ping

```
dhananjay@Profile: ~$ ping www.instagram.com  
PING z-p42-instagram.c10r.instagram.com (157.240.237.174) 56(84) bytes of data.  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=1 ttl=49 time=70.4 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=2 ttl=49 time=132 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=3 ttl=49 time=91.3 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=4 ttl=49 time=80.7 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=5 ttl=49 time=112 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=6 ttl=49 time=69.2 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=7 ttl=49 time=49.5 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=8 ttl=49 time=56.5 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=9 ttl=49 time=89.2 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=10 ttl=49 time=84.1 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=11 ttl=49 time=94.6 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=12 ttl=49 time=115 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=13 ttl=49 time=98.3 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=14 ttl=49 time=55.6 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=15 ttl=49 time=104 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=16 ttl=49 time=83.2 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=17 ttl=49 time=120 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=18 ttl=49 time=94.4 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=19 ttl=49 time=68.3 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=20 ttl=49 time=103 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=21 ttl=49 time=81.5 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=22 ttl=49 time=79.6 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=23 ttl=49 time=81.9 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=24 ttl=49 time=100 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=25 ttl=49 time=74.3 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=26 ttl=49 time=92.9 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=27 ttl=49 time=80.6 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=28 ttl=49 time=93.4 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=29 ttl=49 time=68.1 ms  
64 bytes from instagram-p42-shv-02-pnq1.fbcdn.net (157.240.237.174): icmp_seq=30 ttl=49 time=78.4 ms
```

34. uname

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ uname  
Linux  
dhanaanjay@Profile:~$ uname -a  
Linux Profile 5.10.16.3-microsoft-standard-WSL2 #1 SMP Fri Apr 2 22:23:49 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux  
dhanaanjay@Profile:~$ uname -s  
Linux  
dhanaanjay@Profile:~$ uname -n  
Profile  
dhanaanjay@Profile:~$
```

35. wget

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ wget https://www.instagram.com/direct/inbox/  
--2023-02-07 22:53:08-- https://www.instagram.com/direct/inbox/  
Resolving www.instagram.com (www.instagram.com)... 157.240.237.174, 2a03:2880:f26e:1e9:face:b00c:0:4420  
Connecting to www.instagram.com (www.instagram.com)|157.240.237.174|:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: https://www.facebook.com/unsupportedbrowser [following]  
--2023-02-07 22:53:09-- https://www.facebook.com/unsupportedbrowser  
Resolving www.facebook.com (www.facebook.com)... 157.240.237.35, 2a03:2880:f16e:181:face:b00c:0:25de  
Connecting to www.facebook.com (www.facebook.com)|157.240.237.35|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: unspecified [text/html]  
Saving to: 'index.html'  
  
index.html [ <=> ] 46.00K 185KB/s in 0.2s  
  
2023-02-07 22:53:10 (185 KB/s) - 'index.html' saved [47107]  
  
dhanaanjay@Profile:~$
```

36. man

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ man sudo
```

```
dhananjay@Profile: ~
SUDO(8) BSD System Manager's Manual SUDO(8)

NAME
    sudo, sudoedit - execute a command as another user

SYNOPSIS
    sudo -h | -K | -k | -V
    sudo -v [-ABknS] [-g group] [-h host] [-p prompt] [-u user]
    sudo -l [-ABknS] [-g group] [-h host] [-p prompt] [-U user] [-u user] [command]
    sudo [-ABbEHnPS] [-C num] [-D directory] [-g group] [-h host] [-p prompt] [-R directory] [-r role] [-t type]
    [-T timeout] [-u user] [VAR=value] [-i | -s] [command]
    sudoedit [-ABknS] [-C num] [-D directory] [-g group] [-h host] [-p prompt] [-R directory] [-r role] [-t type]
    [-T timeout] [-u user] file ...

DESCRIPTION
    sudo allows a permitted user to execute a command as the superuser or another user, as specified by the security
    policy. The invoking user's real (not effective) user-ID is used to determine the user name with which to query the
    security policy.

    sudo supports a plugin architecture for security policies, auditing, and input/output logging. Third parties can
    develop and distribute their own plugins to work seamlessly with the sudo front-end. The default security policy is
    sudoers, which is configured via the file /etc/sudoers, or via LDAP. See the Plugins section for more information.

    The security policy determines what privileges, if any, a user has to run sudo. The policy may require that users
    authenticate themselves with a password or another authentication mechanism. If authentication is required, sudo
    will exit if the user's password is not entered within a configurable time limit. This limit is policy-specific;
    the default password prompt timeout for the sudoers security policy is 0 minutes.

    Security policies may support credential caching to allow the user to run sudo again for a period of time without
    requiring authentication. By default, the sudoers policy caches credentials on a per-terminal basis for 15 minutes.
    See the timestamp_type and timestamp_timeout options in sudoers(5) for more information. By running sudo with the
    -v option, a user can update the cached credentials without running a command.

    On systems where sudo is the primary method of gaining superuser privileges, it is imperative to avoid syntax errors
    in the security policy configuration files. For the default security policy, sudoers(5), changes to the configura-
    tion files should be made using the visudo(8) utility which will ensure that no syntax errors are introduced.

    When invoked as sudoedit, the -e option (described below), is implied.

    Security policies and audit plugins may log successful and failed attempts to run sudo. If an I/O plugin is config-
    Manual page sudo(8) line 1 (press h for help or q to quit)
```

37. History

dhananjay@Profile:~\$ history

```
1  mkdir 112103073
2  cd 112103073/
3  vi main.c
4  gcc main.c
5  sudo apt install gcc
6  apt-get update
7  sudo apt-get update
8  sudo apt install gcc
9  sudo apt-get update
10 sudo apt install gcc
11 sudo apt install gdb
12 clear
13 pwd
14 mkdir 112103073
15 cd 112103073/
16 vi main.c
17 gcc main.c
18 vi main.c
19 gcc main.c
20 s
21 ./a.out
22 mkdir Practice
23 cd Practice
24 vi abc.c
25 gcc abc.c
26 ./a.out
27 vi abc.c
28 gcc abc.c
29 vi abc.c
30 gcc abc.c
31 vi abc.c
32 gcc abc.c
33 ./a.out
34 vi abc.c
35 gcc abc.c
36 vi abc.c
37 gcc abc.c
38 vi abc.c
39 gcc abc.c
40 vi abc.c
```

```
dhnanjay@Profile: ~  
443 clear  
444 cal  
445 sudo apt install ncal  
446 clear  
447 cal  
448 ncal  
449 cal 2023  
450 clear  
451 cal  
452 ncal  
453 clear  
454 cal 2023  
455 clear  
456 ls /home/  
457 sudo useradd vampire -m  
458 sudo passwd vampire  
459 clear  
460 ls /home/  
461 sudo userdel -r vampire  
462 ls /home/  
463 clear  
464 cd ..  
465 clear  
466 top  
467 clear  
468 top  
469 clear  
470 ping www.instagram.com  
471 clear  
472 uname  
473 uname -a  
474 uname -s  
475 uname -n  
476 clear  
477 man sudo  
478 clear  
479 history  
dhnanjay@Profile:~$ history -c  
dhnanjay@Profile:~$ history  
1 history  
dhnanjay@Profile:~$
```

38 netstat

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ whatis netstat  
netstat (8) - Print network connections, routing tables, interface statistics, masquerade connections, and multicast memberships  
dhanaanjay@Profile:~$ netstat  
Active Internet connections (w/o servers)  
Proto Recv-Q Send-Q Local Address Foreign Address State  
Active UNIX domain sockets (w/o servers)  
Proto RefCnt Flags Type State I-Node Path  
dhanaanjay@Profile:~$ netstat -a  
Active Internet connections (servers and established)  
Proto Recv-Q Send-Q Local Address Foreign Address State  
raw 0 0 0.0.0.0:icmp 0.0.0.0:* 7  
raw6 0 0 [::]:ipv6-icmp [::]:* 7  
Active UNIX domain sockets (servers and established)  
Proto RefCnt Flags Type State I-Node Path  
unix 2 [ ACC ] SEQPACKET LISTENING 1096 /run/WSL/1_interop  
unix 2 [ ACC ] SEQPACKET LISTENING 19482 /run/WSL/9_interop  
dhanaanjay@Profile:~$ netstat -l  
Active Internet connections (only servers)  
Proto Recv-Q Send-Q Local Address Foreign Address State  
raw 0 0 0.0.0.0:icmp 0.0.0.0:* 7  
raw6 0 0 [::]:ipv6-icmp [::]:* 7  
Active UNIX domain sockets (only servers)  
Proto RefCnt Flags Type State I-Node Path  
unix 2 [ ACC ] SEQPACKET LISTENING 1096 /run/WSL/1_interop  
unix 2 [ ACC ] SEQPACKET LISTENING 19482 /run/WSL/9_interop  
dhanaanjay@Profile:~$
```

39 whoami

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ whoami  
dhanaanjay  
dhanaanjay@Profile:~$
```

40 exit

```
dhanaanjay@Profile: ~  
dhanaanjay@Profile:~$ exit  
logout  
There are stopped jobs.  
dhanaanjay@Profile:~$
```