**QUE 1**

root@shubhra:~# cd ~

root@shubhra:~# ls

LinuxAssignment

root@shubhra:~# cd LinuxAssignment

root@shubhra:~/LinuxAssignment# touch file1.txt

root@shubhra:~/LinuxAssignment# cat file1.txt

root@shubhra:~/LinuxAssignment# mkdir docs

mkdir: cannot create directory ‘docs’: File exists

root@shubhra:~/LinuxAssignment# rmdir docs

rmdir: failed to remove 'docs': Not a directory

root@shubhra:~/LinuxAssignment# rm docs

root@shubhra:~/LinuxAssignment# ls

file1.txt

root@shubhra:~/LinuxAssignment# mkdir docs

root@shubhra:~/LinuxAssignment# cp file1.txt docs/file2.txt

root@shubhra:~/LinuxAssignment# ls

docs file1.txt

root@shubhra:~/LinuxAssignment# cd docs

root@shubhra:~/LinuxAssignment/docs# ls

file2.txt

root@shubhra:~/LinuxAssignment/docs# chmod 744 docs/file2.txt

chmod: cannot access 'docs/file2.txt': No such file or directory

root@shubhra:~/LinuxAssignment/docs# cd ..

root@shubhra:~/LinuxAssignment# chmod 744 docs/file2.txt

root@shubhra:~/LinuxAssignment# sudo chown $(whoami) docs/file2.txt

root@shubhra:~/LinuxAssignment# ls

docs file1.txt

root@shubhra:~/LinuxAssignment# cd LinuxAssignment

-bash: cd: LinuxAssignment: No such file or directory

root@shubhra:~/LinuxAssignment# cd ..

root@shubhra:~# cd LinuxAssignment

root@shubhra:~/LinuxAssignment# ls

docs file1.txt

root@shubhra:~/LinuxAssignment# cd docs

root@shubhra:~/LinuxAssignment/docs# ls

file2.txt

root@shubhra:~/LinuxAssignment/docs# find . -name ".txt"

root@shubhra:~/LinuxAssignment/docs# grep '<word>' <filename>

-bash: syntax error near unexpected token `newline'

root@shubhra:~/LinuxAssignment/docs# grep '<word>' file

grep: file: No such file or directory

root@shubhra:~/LinuxAssignment/docs# date

Wed Feb 26 19:47:44 UTC 2025

root@shubhra:~/LinuxAssignment/docs# hostname -I

172.20.121.200

root@shubhra:~/LinuxAssignment/docs# ping www.google.com

PING www.google.com (142.250.182.228) 56(84) bytes of data.

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=1 ttl=117 time=24.9 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=2 ttl=117 time=26.5 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=3 ttl=117 time=24.7 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=4 ttl=117 time=24.0 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=5 ttl=117 time=24.2 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=6 ttl=117 time=24.5 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=7 ttl=117 time=24.4 ms

64 bytes from bom07s29-in-f4.1e100.net (142.250.182.228): icmp\_seq=8 ttl=117 time=24.2 ms

^C

--- www.google.com ping statistics ---

8 packets transmitted, 8 received, 0% packet loss, time 7616ms

rtt min/avg/max/mdev = 23.987/24.660/26.483/0.747 ms

root@shubhra:~/LinuxAssignment/docs# zip -r docs.zip docs

Command 'zip' not found, but can be installed with:

apt install zip

root@shubhra:~/LinuxAssignment/docs# apt install zip

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:

unzip

The following NEW packages will be installed:

unzip zip

0 upgraded, 2 newly installed, 0 to remove and 117 not upgraded.

Need to get 350 kB of archives.

After this operation, 933 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 unzip amd64 6.0-28ubuntu4.1 [174 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 zip amd64 3.0-13ubuntu0.2 [176 kB]

Fetched 350 kB in 2s (175 kB/s)

Selecting previously unselected package unzip.

(Reading database ... 40794 files and directories currently installed.)

Preparing to unpack .../unzip\_6.0-28ubuntu4.1\_amd64.deb ...

Unpacking unzip (6.0-28ubuntu4.1) ...

Selecting previously unselected package zip.

Preparing to unpack .../zip\_3.0-13ubuntu0.2\_amd64.deb ...

Unpacking zip (3.0-13ubuntu0.2) ...

Setting up unzip (6.0-28ubuntu4.1) ...

Setting up zip (3.0-13ubuntu0.2) ...

Processing triggers for man-db (2.12.0-4build2) ...

root@shubhra:~/LinuxAssignment/docs# zip -r docs.zip docs

zip warning: name not matched: docs

zip error: Nothing to do! (try: zip -r docs.zip . -i docs)

root@shubhra:~/LinuxAssignment/docs# cd ..

root@shubhra:~/LinuxAssignment# zip -r docs.zip docs

adding: docs/ (stored 0%)

adding: docs/file2.txt (stored 0%)

root@shubhra:~/LinuxAssignment# unzip docs.zip -d extracted\_docs

Archive: docs.zip

creating: extracted\_docs/docs/

extracting: extracted\_docs/docs/file2.txt

root@shubhra:~/LinuxAssignment# ls

docs docs.zip extracted\_docs file1.txt

root@shubhra:~/LinuxAssignment# nano file1.txt

root@shubhra:~/LinuxAssignment# ls

docs docs.zip extracted\_docs file1.txt

root@shubhra:~/LinuxAssignment# cat file1.txt

shubhra jyotsna manhar

root@shubhra:~/LinuxAssignment# nano file1.txt

root@shubhra:~/LinuxAssignment# ls

docs docs.zip extracted\_docs file1.txt

root@shubhra:~/LinuxAssignment# sed -i 's/good/excellent/g' file1.txt

root@shubhra:~/LinuxAssignment# ls

docs docs.zip extracted\_docs file1.txt

root@shubhra:~/LinuxAssignment# cat file1.txt

excellent work

root@shubhra:~/LinuxAssignment# sed -i 's/excellent/amazing/g' file1.txt

root@shubhra:~/LinuxAssignment# cat file1.txt

amazing work

root@shubhra:~/LinuxAssignment# ls

docs docs.zip extracted\_docs file1.txt

**QUE2**

cdac@shubhra:~$ ls

que2

cdac@shubhra:~$ cd que2

cdac@shubhra:~/que2$ touch data.txt

cdac@shubhra:~/que2$ nano data.txt

cdac@shubhra:~/que2$ head -n 10 data.txt

apple

banana

mango

orange

melon

papaya

strawberry

kiwi

grapes

guava

cdac@shubhra:~/que2$ tail -n 5 data.txt

kiwi

grapes

guava

bluebberry

dragonfruit

cdac@shubhra:~/que2$ touch numbers.txt

cdac@shubhra:~/que2$ nano numbers.txt

cdac@shubhra:~/que2$ head -n 15 numbers.txt

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

cdac@shubhra:~/que2$ tails -n 3 numbers.txt

Command 'tails' not found, did you mean:

command 'tail' from deb coreutils (9.4-2ubuntu2)

command 'rails' from deb ruby-railties (2:6.1.7.3+dfsg-2build1)

Try: sudo apt install <deb name>

cdac@shubhra:~/que2$ tail -n 3 numbers.txt

19

20

cdac@shubhra:~/que2$ nano numbers.txt

cdac@shubhra:~/que2$ tail -n 3 numbers.txt

18

19

20

cdac@shubhra:~/que2$ touch input.txt

cdac@shubhra:~/que2$ nano input.txt

cdac@shubhra:~/que2$ cat input.txt

Shubhra Jyotsna Manhar

cdac@shubhra:~/que2$ tr '[:lower:]' '[:upper:]'< input.txt > output.txt

cdac@shubhra:~/que2$ ls

data.txt input.txt numbers.txt output.txt

cdac@shubhra:~/que2$ cat output.txt

SHUBHRA JYOTSNA MANHAR

cdac@shubhra:~/que2$ touch duplicate.txt

cdac@shubhra:~/que2$ nano duplicate.txt

cdac@shubhra:~/que2$ cat duplicate.txt

donut

cake

bread

chocolate

coffee

cake

cdac@shubhra:~/que2$ sort duplicate.txt | uniq

bread

cake

chocolate

coffee

donut

cdac@shubhra:~/que2$ touch fruit.txt

cdac@shubhra:~/que2$ nano fruit.txt

cdac@shubhra:~/que2$ cat fruit.txt

apple

kiwi

melon

mango

apple

mango

mango

melon

kiwi

kiwi

kiwi

cdac@shubhra:~/que2$ sort fruit.txt | uniq -c

1

2 apple

4 kiwi

3 mango

1 melon

1 melon

cdac@shubhra:~/que2$ nano fruit.txt

cdac@shubhra:~/que2$ sort fruit.txt | uniq -c

2 apple

4 kiwi

3 mango

2 melon