

```
cdac@Isha:~$ cd LinuxAssignments
```

```
cdac@Isha:~/LinuxAssignments$ nano file1.txt
```

```
cdac@Isha:~/LinuxAssignments$ cat file1.txt
```

a

b

c

d

e

f

```
cdac@Isha:~/LinuxAssignments$ mkdir docs
```

```
mkdir: cannot create directory 'docs': File exists
```

```
cdac@Isha:~/LinuxAssignments$ cp file1.txt / docs file2.txt
```

```
cp: target 'file2.txt': No such file or directory
```

```
cdac@Isha:~/LinuxAssignments$ cp file1.txt /docs
```

```
cp: cannot create regular file '/docs': Permission denied
```

```
cdac@Isha:~/LinuxAssignments$ cp file1.txt docs/
```

```
cdac@Isha:~/LinuxAssignments$ cd docs
```

```
cdac@Isha:~/LinuxAssignments/docs$ mv file1.txt file2.txt
```

```
cdac@Isha:~/LinuxAssignments/docs$ cat file2.txt
```

a

b

c

d

e

f

```
cdac@Isha:~/LinuxAssignments/docs$ chmod 744 file2.txt
```

```
cdac@Isha:~/LinuxAssignments/docs$ ls -l
```

```
total 8
```

```
-rw-r--r-- 1 cdac cdac 33 Feb 27 11:56 file.txt
```

```
-rwxr--r-- 1 cdac cdac 14 Feb 27 13:00 file2.txt

cdac@Isha:~/LinuxAssignments/docs$ pwd

/home/cdac/LinuxAssignments/docs

cdac@Isha:~/LinuxAssignments/docs$ cd

cdac@Isha:~$ cd LinuxAssignments

cdac@Isha:~/LinuxAssignments$ ls

Data.txt docs    file.txt friut.txt input.txt upperinput

Upper  duplicates file1.txt fruit.txt number.txt

cdac@Isha:~/LinuxAssignments$ date

Thu Feb 27 13:02:57 UTC 2025

cdac@Isha:~/LinuxAssignments$ ip addr

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
qlen 1000

    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

    inet 127.0.0.1/8 scope host lo

        valid_lft forever preferred_lft forever

    inet6 ::1/128 scope host

        valid_lft forever preferred_lft forever

2: bond0: <BROADCAST,MULTICAST,MASTER> mtu 1500 qdisc noop state DOWN group default
qlen 1000

    link/ether 22:7e:0a:c7:0d:26 brd ff:ff:ff:ff:ff:ff

3: dummy0: <BROADCAST,NOARP> mtu 1500 qdisc noop state DOWN group default qlen 1000

    link/ether aa:4a:10:99:26:57 brd ff:ff:ff:ff:ff:ff

4: tunl0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000

    link/ipip 0.0.0.0 brd 0.0.0.0

5: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000

    link/sit 0.0.0.0 brd 0.0.0.0

6: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default
qlen 1000

    link/ether 00:15:5d:bc:fa:6c brd ff:ff:ff:ff:ff:ff

    inet 172.21.114.250/20 brd 172.21.127.255 scope global eth0

        valid_lft forever preferred_lft forever
```

inet6 fe80::215:5dff:febc:fa6c/64 scope link

valid_lft forever preferred_lft forever

cdac@Isha:~/LinuxAssignments\$ zip docs docs

adding: docs/ (stored 0%)

cdac@Isha:~/LinuxAssignments\$ unzip docs docs

Archive: docs.zip

caution: filename not matched: docs

cdac@Isha:~/LinuxAssignments\$ unzip docs docs

Archive: docs.zip

caution: filename not matched: docs

cdac@Isha:~/LinuxAssignments\$ nano file1.txt

cdac@Isha:~/LinuxAssignments\$

```
cdac@Isha:~/LinuxAssignments$ cd LinuxAssignments
cdac@Isha:~/LinuxAssignments$ nano file1.txt
cdac@Isha:~/LinuxAssignments$ cat file1.txt
a
b
c
d
e
f

cdac@Isha:~/LinuxAssignments$ mkdir docs
mkdir: cannot create directory 'docs': File exists
cdac@Isha:~/LinuxAssignments$ cp file1.txt / docs file2.txt
cp: target 'file2.txt': No such file or directory
cdac@Isha:~/LinuxAssignments$ cp file1.txt /docs
cp: cannot create regular file '/docs': Permission denied
cdac@Isha:~/LinuxAssignments$ cp file1.txt docs/
cdac@Isha:~/LinuxAssignments$ cd docs
cdac@Isha:~/LinuxAssignments/docs$ mv file1.txt file2.txt
cdac@Isha:~/LinuxAssignments/docs$ cat file2.txt
a
b
c
d
e
f

cdac@Isha:~/LinuxAssignments/docs$ chmod 744 file2.txt
cdac@Isha:~/LinuxAssignments/docs$ ls -l
total 8
-rw-r--r-- 1 cdac cdac 33 Feb 27 11:56 file.txt
-rwxr--r-- 1 cdac cdac 14 Feb 27 13:00 file2.txt
cdac@Isha:~/LinuxAssignments/docs$ pwd
/home/cdac/LinuxAssignments/docs
cdac@Isha:~/LinuxAssignments/docs$ cd
cdac@Isha:~/LinuxAssignments$ cd
cdac@Isha:~/LinuxAssignments$ ls
Data.txt  docs      file.txt  friut.txt  input.txt  upperinput
Upper     duplicates file1.txt  fruit.txt  number.txt
cdac@Isha:~/LinuxAssignments$ date
Thu Feb 27 13:02:57 UTC 2025
```

```
cdac@Isha: ~/LinuxAssignmei x + v
/home/cdac/LinuxAssignments/docs
cdac@Isha:~/LinuxAssignments/docs$ cd
cdac@Isha:~/LinuxAssignments/docs$ cd LinuxAssignments
cdac@Isha:~/LinuxAssignments$ ls
Data.txt docs file.txt fruit.txt input.txt upperinput
Upper duplicates file1.txt fruit.txt number.txt
cdac@Isha:~/LinuxAssignments$ date
Thu Feb 27 13:02:57 UTC 2025
cdac@Isha:~/LinuxAssignments$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: bond0: <BROADCAST,MULTICAST,MASTER> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 22:7e:0a:c7:0d:26 brd ff:ff:ff:ff:ff:ff
3: dummy0: <BROADCAST,NOARP> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether aa:4a:10:99:26:57 brd ff:ff:ff:ff:ff:ff
4: tunl0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
    link/ipip 0.0.0.0 brd 0.0.0.0
5: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
    link/sit 0.0.0.0 brd 0.0.0.0
6: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:15:5d:bc:fa:6c brd ff:ff:ff:ff:ff:ff
    inet 172.21.114.250/20 brd 172.21.127.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::215:5dff:febc:fa6c/64 scope link
        valid_lft forever preferred_lft forever
cdac@Isha:~/LinuxAssignments$ zip docs docs
adding: docs/ (stored 0%)
cdac@Isha:~/LinuxAssignments$ unzip docs docs
Archive: docs.zip
caution: filename not matched: docs
cdac@Isha:~/LinuxAssignments$ unzip docs docs
Archive: docs.zip
caution: filename not matched: docs
cdac@Isha:~/LinuxAssignments$ nano file1.txt
cdac@Isha:~/LinuxAssignments$
```

Problem 2

cdac@Isha:~/LinuxAssignments\$ nano Data.txt

cdac@Isha:~/LinuxAssignments\$ head -10 Data.txt

Mumbai

Hyderabad

pune

kolkata

delhi

chennai

bengaluru

jalgaon

indore

noida

cdac@Isha:~/LinuxAssignments\$ tail -5 Data.txt

jalgaon

indore

noida

kochi

```
cdac@Isha:~/LinuxAssignments$ nano number.txt
```

```
cdac@Isha:~/LinuxAssignments$ head - 15 number.txt
```

==> standard input <==

^C

```
cdac@Isha:~/LinuxAssignments$ head -15 number.txt
```

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

```
cdac@Isha:~/LinuxAssignments$ tail -3 number.txt
```

23

24

25

```
cdac@Isha:~/LinuxAssignments$ cat input.txt | tr 'a-z' 'A-Z' Upper
```

tr: extra operand 'Upper'

Try 'tr --help' for more information.

```
cdac@Isha:~/LinuxAssignments$ cat input.txt | tr 'a-z' 'A-Z' > Upper
```

```
cdac@Isha:~/LinuxAssignments$ cat Upper
```

ABCDEFGHIJKLMNOPQRSTUVWXYZ

```
cdac@Isha:~/LinuxAssignments$ nano duplicates
```

```
cdac@Isha:~/LinuxAssignments$ cat duplicates
```

isha

manish

pranita

jay

isha

manish

khush

shivanch

khush

peksha

punam

```
cdac@Isha:~/LinuxAssignments$ cat duplicates | sort | uniq
```

isha

jay

khush

manish

peksha

pranita

punam

shivanch

```
cdac@Isha:~/LinuxAssignments$ cat fruit.txt | sort | uniq -c
```

2

2 apple

3 banana

2 grapes

2 oranges

1 watermelon

```
cdac@isha: ~/LinuxAssignmei x + v
cdac@isha:~/LinuxAssignments$ nano Data.txt
cdac@isha:~/LinuxAssignments$ head -10 Data.txt
Mumbai
Hyderabad
pune
kolkata
delhi
chennai
bengaluru
jalgaon
indore
noida
cdac@isha:~/LinuxAssignments$ tail -5 Data.txt
jalgaon
indore
noida
kochi

cdac@isha:~/LinuxAssignments$ nano number.txt
cdac@isha:~/LinuxAssignments$ head -15 number.txt
==> standard input <==
^C
cdac@isha:~/LinuxAssignments$ head -15 number.txt
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
cdac@isha:~/LinuxAssignments$ tail -3 number.txt
23
24
```

33°C Mostly sunny 18:13 27-02-2025

```
cdac@isha: ~/LinuxAssignmei x + v
23
24
25
cdac@isha:~/LinuxAssignments$ cat input.txt | tr 'a-z' 'A-Z' Upper
tr: extra operand 'Upper'
Try 'tr --help' for more information.
cdac@isha:~/LinuxAssignments$ cat input.txt | tr 'a-z' 'A-Z' > Upper
cdac@isha:~/LinuxAssignments$ cat Upper
ABCDEFGHIJKLMNOPQRSTUVWXYZ
cdac@isha:~/LinuxAssignments$ nano duplicates
cdac@isha:~/LinuxAssignments$ cat duplicates
isha
manish
pranita
jay
isha
manish
khush
shivanch
khush
peksha
punam

cdac@isha:~/LinuxAssignments$ cat duplicates | sort | uniq
isha
jay
khush
manish
peksha
pranita
punam
shivanch
cdac@isha:~/LinuxAssignments$ cat fruit.txt | sort | uniq -c
2
2 apple
3 banana
2 grapes
2 oranges
1 watermelon
cdac@isha:~/LinuxAssignments$ ~
```

33°C Mostly sunny 18:13 27-02-2025