

```
nt$ head -n 10 data.txt
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ head -n 10 data.txt
```

```
aaaaaaaaaaa  
bbbbbbbbbbb  
cccccccc  
dddddddddd  
eeeeeeeeeee  
ffffffffffff  
ggggggggggg  
hhhhhhhhhhh  
iiiiiiiiiii  
jjjjjjjjjjj
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ tail -n 5 data.txt
```

```
rrrrrrrrrrrrrrrrrrrr  
ssssssssssssssss  
ttttttttttttttttt  
uuuuuuuuuuuuuuuuuu  
vvvvvvvvvvvvvvvvvvv
```

```
aaaaaaaaaaaa  
bbbbbbbbbbbb  
cccccccc  
dddddddddd  
eeeeeeeeeee  
ffffffffffff  
ggggggggggg
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ head -n 15 numbers.txt
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ tail -n 3 numbers.txt
```

```
19  
20  
21
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat > input.txt
tejas kolhe
^C
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat input.txt | tr [a-z][A-Z]
tr: missing operand after '[a-z][A-Z]'
Two strings must be given when translating.
Try 'tr --help' for more information.
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat input.txt | tr '[a-z][A-Z]'
tr: missing operand after '[a-z][A-Z]'
Two strings must be given when translating.
Try 'tr --help' for more information.
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat input.txt | tr '[a-z]''[A-Z]'
tr: missing operand after '[a-z][A-Z]'
Two strings must be given when translating.
Try 'tr --help' for more information.
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat input.txt | tr [:lower:] [:upper:]
TEJAS KOLHE
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat input.txt | tr [:upper:] [:lower:]
tejas kolhe
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ tr [:lower:] [:upper:] input.txt output.txt
tr: extra operand 'input.txt'
Try 'tr --help' for more information.
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ tr [:lower:] [:upper:] <input.txt> output.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat output.txt
TEJAS KOLHE
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat duplicate.txt
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat > duplicate.txt
a
a
b
b
c
b
d
d
u
i
o
o
^C
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ uniq duplicate.txt
a
b
c
b
d
u
i
o
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ uniq -c duplicate.txt
 2 a
 2 b
 1 c
 1 b
 2 d
 1 u
 1 i
 2 o
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ uniq -c7- duplicate.txt
uniq: invalid option -- '-'
Try 'uniq --help' for more information.
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ uniq -c duplicate.txt
 2 a
 2 b
 1 c
 1 b
 2 d
```

```
tejaskolhe@DESKTOP-B3D9QU3:~$ pwd
/home/tejaskolhe
tejaskolhe@DESKTOP-B3D9QU3:~$ cd ..
tejaskolhe@DESKTOP-B3D9QU3:/home$ mkdir LinuxAssignment
mkdir: cannot create directory 'LinuxAssignment': Permission denied
tejaskolhe@DESKTOP-B3D9QU3:/home$ cd
tejaskolhe@DESKTOP-B3D9QU3:~$ pwd
/home/tejaskolhe
tejaskolhe@DESKTOP-B3D9QU3:~$ mkdir LinuxAssignment
tejaskolhe@DESKTOP-B3D9QU3:~$ ls
LinuxAssignment Tejas demo.sh family snap
tejaskolhe@DESKTOP-B3D9QU3:~$ cd LinuxAssignment
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat > file1.txt
Hey Tejas here
^C
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat file1.txt
Hey Tejas here
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ mkdir docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ ls
docs file1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ mv file1.txt docs/file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ ls
docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cd docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls
file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ cat file2.txt
Hey Tejas here
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ |
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls
file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ cat file2.txt
Hey Tejas here
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rw-r--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ chmod o+wx file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rw-r--rwx 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ chmod o-wx file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ chmod u+rwX file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rwxr--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ chmod o+r file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rwxr--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ whoami
tejaskolhe
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ chown whoami file2.txt
chown: invalid user: 'whoami'
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rwxr--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls *.txt
file2.txt
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rwxr--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls *.txt
file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ touch demo1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ touch sample1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls -l
total 4
-rw-r--r-- 1 tejaskolhe tejaskolhe  0 Mar  7 19:12 demo1.txt
-rwxr--r-- 1 tejaskolhe tejaskolhe 15 Mar  7 18:16 file2.txt
-rw-r--r-- 1 tejaskolhe tejaskolhe  0 Mar  7 19:12 sample1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ls [d,f]*
demo1.txt  file2.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ date
Thu Mar  7 19:16:35 IST 2024
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ hostname -I
172.19.211.29
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ whoami
tejaskolhe
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ sudo chown $(whoami) file2.txt
[sudo] password for tejaskolhe:
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ifconfig
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.19.211.29 netmask 255.255.240.0 broadcast 172.19.223.255
    inet6 fe80::215:5dff:fe22:aaec prefixlen 64 scopeid 0x20<link>
    ether 00:15:5d:22:aa:ec txqueuelen 1000 (Ethernet)
    RX packets 4715 bytes 20157333 (20.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2834 bytes 241681 (241.6 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

tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs$
```



```
Processing triggers for man-db (2.10.2-1) ...
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ zip -r docs.zip docs
  adding: docs/ (stored 0%)
  adding: docs/sample1.txt (stored 0%)
  adding: docs/file2.txt (stored 0%)
  adding: docs/demo1.txt (stored 0%)
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ mkdir docs1
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ unzip docs.zip -d docs1
Archive:  docs.zip
   creating: docs1/docs/
  extracting: docs1/docs/sample1.txt
  extracting: docs1/docs/file2.txt
  extracting: docs1/docs/demo1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cd docs1
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ ls
docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ |
```

```
extracting: docs1/docs/demo1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cd docs1
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ ls
docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ cd ..
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat > file1.txt
Tejas Kolhe
^C
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ vi file1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat file1.txt
Tejas kolhe
CDac student
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ sed -i 's/CDac/CDAC/g' file1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat file1.txt
Tejas kolhe
CDAC student
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ |
```

```
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cd docs1
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ ls
docs
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment/docs1$ cd ..
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat > file1.txt
Tejas Kolhe
^C
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ vi file1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat file1.txt
Tejas kolhe
CDac student
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ sed -i 's/CDac/CDAC/g' file1.txt
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ cat file1.txt
Tejas kolhe
CDAC student
tejaskolhe@DESKTOP-B3D9QU3:~/LinuxAssignment$ |
```