

Assignment 3: file management

rm

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
s22-104
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ rm s22-104
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

Who

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ who
lab1003  :0                2024-02-05 13:40 (:0)
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ who -b
          system boot    2024-02-05 13:39
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ who -q
lab1003
# users=1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ who -s
lab1003  :0                2024-02-05 13:40 (:0)
```

Cp

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ vi file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cp file1 file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
file1  file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ vi file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ vi file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

lab1003@lab1003-HP-280-G4-MT-Business-PC: ~/Krishna

File Edit View Search Terminal Help

This is the original source file,

This file will be copied into file2

'file1" 4 lines, 72 characters

```
This is the original source file,  
This file will be copied into file2
```

Mv

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ mv file2 moving_file
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
file1 moving_file
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cd..
cd..: command not found
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cd ..
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ mkdir Destination_dir
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ mv /home/lab1003/Krishna/moving_file /home/lab1003/Destination_dir
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ cd Krishna
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ ls
file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cd ..
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ cd Destination_dir
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Destination_dir$ ls
moving_file
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Destination_dir$
```

Chmod

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ chmod -r file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ chmod -w file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ chmod -x file1
```

Wc

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ wc file1
 4 13 72 file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ wc -m file1
72 file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ wc -c file1
72 file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

Piping and redirection

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ echo "HELLO WORLD!" > file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ more file1
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

Tr

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1 | tr [A-Z] [a-z]
hello world!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1 | tr [a-z] [A-Z]
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1 | tr [:upper:] [:lower:]
hello world!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1 | tr [:lower:] [:upper:]
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

sort

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1
Zkd
ChIJ
ABCD
BCD
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ sort file1
ABCD
BCD
ChIJ
HELLO WORLD!
Zkd
```

Head and tail

```

lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1
Zkd
ChIJ
ABCD
BCD
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ head -n 1 file1
Zkd
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ tail -n 1 file1
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ █

```

Diff

```

lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file1
Zkd
ChIJ
ABCD
BCD
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat file2
Zkd
ChIJ
ABCD
BCD
HELLO WORLD!
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ diff file1 file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ diff -c file1 file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ diff -u file1 file2
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ █

```

Comm

```

lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ comm file1 file2
      Apaar
Apaar
Ayush Rajput
Deepak
      Hemant
comm: file 1 is not in sorted order

      Lucky
      Pranjal
comm: file 2 is not in sorted order

```

Less

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ less file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ less -n file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ less -E file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ less -N file1
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

Type

```
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ type ls
ls is aliased to `ls --color=auto'
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ type who
who is hashed (/usr/bin/who)
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ type whoami
whoami is /usr/bin/whoami
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```

split

```
File Edit View Search Terminal Help
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ cd Krishna
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat index2aa
line 1
line 2
line 3
line 4
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat index2ab
line 5
line 6
line 7
line 8
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$ cat index
line 1
line 2
line 3
line 4
line 5
line 6
line 7
line 8
lab1003@lab1003-HP-280-G4-MT-Business-PC:~/Krishna$
```