



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

Deemed to be University

School of Computer Science and Engineering

Assignment-I

Date: 12/01/2023

Submitted By:-

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Roll No: 21052991

Section : CSE-40

Branch : Computer Science and Engineering

Subject : Operating System LAB



```
kiit@AbhishiktMohanty:~$ ls
```

```
Desktop  Downloads  Music      Public     Videos    demo01.save  thinclient_d
```

```
Documents  KIIT      Pictures  Templates  demo01  demo01.save.1
```

```
kiit@AbhishiktMohanty:~$ cd Desktop
```

```
kiit@AbhishiktMohanty:~/Desktop$ ls
```

```
new01
```

```
kiit@AbhishiktMohanty:~/Desktop$ pwd
```

```
/home/kiit/Desktop
```

```
kiit@AbhishiktMohanty:~/Desktop$ mkdir SampleFile
```

```
kiit@AbhishiktMohanty:~/Desktop$ ls
```

```
SampleFile  new01
```

```
kiit@AbhishiktMohanty:~/Desktop$ mv SampleFile sample01
```

```
kiit@AbhishiktMohanty:~/Desktop$ ls
```

```
new01  sample01
```

```
kiit@AbhishiktMohanty:~/Desktop$ cp sample01 sample02
```

```
cp: -r not specified; omitting directory 'sample01'
```

```
kiit@AbhishiktMohanty:~/Desktop$ ls
```

```
new01  sample01
```

```
kiit@AbhishiktMohanty:~/Desktop$ rm sample01
```

```
rm: cannot remove 'sample01': Is a directory
```

```
kiit@AbhishiktMohanty:~/Desktop$ ls
```

```
new01  sample01
```

```
kiit@AbhishiktMohanty:~/Desktop$ rm -i sample01
```

```
rm: cannot remove 'sample01': Is a directory
```

```
kiit@AbhishiktMohanty:~/Desktop$ cd sample01
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ ls
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ mkdir demo01
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ ls
```

```
demo01
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ rm demo01
```

```
rm: cannot remove 'demo01': Is a directory
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ whereis demo01
```

```
demo01:
```

```
kiit@AbhishiktMohanty:~/Desktop/sample01$ arch
```

```
x86_64
```



kiit@AbhishiktMohanty: ~



kiit@AbhishiktMohanty:~/Desktop/sample01\$ arch
x86_64

kiit@AbhishiktMohanty:~/Desktop/sample01\$ cal

January 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
29 30 31

kiit@AbhishiktMohanty:~/Desktop/sample01\$ echo Abhishikt Mohanty

Abhishikt Mohanty

kiit@AbhishiktMohanty:~/Desktop/sample01\$ cd

kiit@AbhishiktMohanty:~\$ pwd

/home/kiit

kiit@AbhishiktMohanty:~\$ free

	total	used	free	shared	buff/cache	available
Mem:	12548980	132084	12316924	72	99972	1221723
Swap:	4194304	0	4194304			

kiit@AbhishiktMohanty:~\$ last

wtmp begins Tue Nov 23 10:53:04 2021

kiit@AbhishiktMohanty:~\$ uname

Linux

kiit@AbhishiktMohanty:~\$ whoami

kiit

kiit@AbhishiktMohanty:~\$ ps

PID	TTY	TIME	CMD
481	pts/0	00:00:00	bash
538	pts/0	00:00:00	ps

kiit@AbhishiktMohanty:~\$ df

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
/dev/sdb	263174212	2565992	247170064	2%	/


```
kiit@AbhishiktMohanty:~$ ls
Desktop  Documents  Downloads  KIIT  Music  Pictures  Public  Templates  Videos  demo_dir
sample01  thinclient_drives
```

```
kiit@AbhishiktMohanty:~$ cd demo_dir
```

```
kiit@AbhishiktMohanty:~/demo_dir$ ls
```

```
sample01.txt
```

```
kiit@AbhishiktMohanty:~/demo_dir$ mv sample01.txt demo_dir
```

```
kiit@AbhishiktMohanty:~/demo_dir$ ls
```

```
demo_dir
```

```
kiit@AbhishiktMohanty:~/demo_dir$ cd
```

```
kiit@AbhishiktMohanty:~$ ls
```

```
Desktop  Documents  Downloads  KIIT  Music  Pictures  Public  Templates  Videos  demo_dir
sample01  thinclient_drives
```

```
kiit@AbhishiktMohanty:~$ cd sample01
```

```
kiit@AbhishiktMohanty:~/sample01$ ls
```

```
sample01  sample01.txt
```

```
kiit@AbhishiktMohanty:~/sample01$ rename 's/sample01.txt/demo01.txt/'
```

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

```
sudo apt install rename
```

```
kiit@AbhishiktMohanty:~/sample01$ rename 's/sample01.txt/demo01.txt/'*.txt
```

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

```
sudo apt install rename
```

```
kiit@AbhishiktMohanty:~/sample01$ head sample01.txt
```

```
ls
```

```
Abhishikt Mohanty
```

```
kiit@AbhishiktMohanty:~/sample01$ tail sample01.txt
```

```
ls
```

```
Abhishikt Mohanty
```

```
kiit@AbhishiktMohanty:~/sample01$ tac sample01.txt
```

```
Abhishikt Mohanty
```

```
ls
```

```
kiit@AbhishiktMohanty:~/sample01$ id
```

```
uid=1000(kiit) gid=1000(kiit) groups=1000(kiit),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),117(netdev)
```

Select kiit@AbhishiktMohanty: ~/demo_dir

kiit@AbhishiktMohanty:~\$ pwd

/home/kiit

kiit@AbhishiktMohanty:~\$ ls

Desktop Documents Downloads KIIT Music Pictures Public Templates Videos
sample01 thinclient_drives

kiit@AbhishiktMohanty:~\$ mkdir demo_dir

kiit@AbhishiktMohanty:~\$ ls

Desktop Documents Downloads KIIT Music Pictures Public Templates Videos
demo_dir sample01 thinclient_drives

kiit@AbhishiktMohanty:~\$ cd demo_dir

kiit@AbhishiktMohanty:~/demo_dir\$ ls

kiit@AbhishiktMohanty:~/demo_dir\$ touch sample01.txt

kiit@AbhishiktMohanty:~/demo_dir\$ ls

sample01.txt

kiit@AbhishiktMohanty:~/demo_dir\$ cat > sample01.txt

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kiit@AbhishiktMohanty:~/demo_dir\$ cat sample01.txt

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kiit@AbhishiktMohanty:~/demo_dir\$ cp sample01.txt sample02.txt

kiit@AbhishiktMohanty:~/demo_dir\$ ls

sample01.txt sample02.txt

kiit@AbhishiktMohanty:~/demo_dir\$ rm sample02.txt

kiit@AbhishiktMohanty:~/demo_dir\$ ls

sample01.txt

kiit@AbhishiktMohanty:~/demo_dir\$ sample01.txt demo_dir

sample01.txt: command not found

kiit@AbhishiktMohanty:~/demo_dir\$ ls

sample01.txt

kiit@AbhishiktMohanty: ~

kiit@AbhishiktMohanty:~\$ ps

PID	TTY	TIME	CMD
481	pts/0	00:00:00	bash
538	pts/0	00:00:00	ps

kiit@AbhishiktMohanty:~\$ df

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
/dev/sdb	263174212	2565992	247170064	2%	/
tmpfs	6274488	0	6274488	0%	/mnt/wsl
tools	498799612	217832344	280967268	44%	/init
none	6272404	0	6272404	0%	/dev
none	6274488	8	6274480	1%	/run
none	6274488	0	6274488	0%	/run/lock
none	6274488	0	6274488	0%	/run/shm
none	6274488	0	6274488	0%	/run/user
tmpfs	6274488	0	6274488	0%	/sys/fs/cgroup
drivers	498799612	217832344	280967268	44%	/usr/lib/wsl/drivers
lib	498799612	217832344	280967268	44%	/usr/lib/wsl/lib
C:\	498799612	217832344	280967268	44%	/mnt/c

kiit@AbhishiktMohanty:~\$ passwd

Changing password for kiit.

Current password:

passwd: Authentication token manipulation error

passwd: password unchanged

kiit@AbhishiktMohanty:~\$

kiit@AbhishiktMohanty:~\$