

# Assignment No. : 1(a)

**Roll No. :**

**Subject : \_\_\_\_\_**

**Batch :**

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ pwd
/home/oslab-09/Desktop
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ cd 33208
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cd ..
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ cd /33208/Test_Folder
bash: cd: /33208/Test_Folder: No such file or directory
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ cd 33208/Test_Folder
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/Test_Folder$ cd ..
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf'  Test_Folder
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls -R
.:
'ITDEPT-FPL-2 Lab Manual.pdf'  Test_Folder

./Test_Folder:
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls -a
.  .. 'ITDEPT-FPL-2 Lab Manual.pdf'  Test_Folder
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cat > test.txt
hello
^C
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf'  Test_Folder  test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cat > test
hello world
^C
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf'  test  Test_Folder  test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cat test test.txt
hello world
hello
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cat -n test test.txt
 1  hello world
 2  hello
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf' Scenery.png test Test_Folder test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ mv Scenery.png Screenshot.png
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf' Screenshot.png test Test_Folder test.txt
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ mkdir temp
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf' Screenshot.png temp test Test_Folder test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ rm temp
rm: cannot remove 'temp': Is a directory
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ rmdir temp
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf' Screenshot.png test Test_Folder test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ mkdir temp2
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
'ITDEPT-FPL-2 Lab Manual.pdf' Screenshot.png temp2 test Test_Folder test.txt
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cd temp2
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cat > temp2
this is temporary file
```

^C

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cat temp2
this is temporary file
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cd ..
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ rm temp2
```

```
rm: cannot remove 'temp2': Is a directory
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cd temp2
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ rm
```

```
rm: missing operand
```

Try 'rm --help' for more information.

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cd ..
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ rm temp2
```

```
rm: cannot remove 'temp2': Is a directory
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ locate temp2
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cd ..
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ locate 33208
```

```
/home/oslab-09/.cache/mozilla/firefox/x64rtf9g.default-release/cache2/entries/D120D4359
20F33208C5F922A6E70F29D3FA4DA85
```

```
/home/oslab-09/Desktop/33208
```

```
/home/oslab-09/Desktop/33208/ITDEPT-FPL-2 Lab Manual.pdf
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop$ locate temp2
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop$
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cat temp2
```

```
this is temporary file
```

```
hello everyone
```

```
hello world
```

```
third year
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ grep hello temp2
```

```
hello everyone
```

```
hello world
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ grep hello year
```

```
grep: year: No such file or directory
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ grep hello year temp2
```

```
grep: year: No such file or directory
```

```
temp2:hello everyone
```

```
temp2:hello world
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ df
```

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
udev	3912636	0	3912636	0%	/dev
tmpfs	791876	3584	788292	1%	/run
/dev/sda2	959786032	78582568	832375256	9%	/
tmpfs	3959380	197240	3762140	5%	/dev/shm
tmpfs	5120	4	5116	1%	/run/lock
tmpfs	3959380	0	3959380	0%	/sys/fs/cgroup
/dev/loop1	318848	318848	0	100%	/snap/code/159
/dev/loop0	128	128	0	100%	/snap/bare/5
/dev/loop4	106752	106752	0	100%	/snap/core/17200
/dev/loop2	319872	319872	0	100%	/snap/code/162
/dev/loop3	106496	106496	0	100%	/snap/core/16928
/dev/loop5	57088	57088	0	100%	/snap/core18/2823
/dev/loop11	67840	67840	0	100%	/snap/core24/423
/dev/loop8	65536	65536	0	100%	/snap/core20/2318
/dev/loop9	76032	76032	0	100%	/snap/core22/1122
/dev/loop6	57088	57088	0	100%	/snap/core18/2829
/dev/loop10	76032	76032	0	100%	/snap/core22/1380
/dev/loop13	6656	6656	0	100%	/snap/curl/1754
/dev/loop12	6656	6656	0	100%	/snap/curl/1679

```

/dev/loop7      65536  65536    0 100% /snap/core20/2264
/dev/loop14     340992 340992    0 100% /snap/eclipse/87
/dev/loop15     349184 349184    0 100% /snap/eclipse/95
/dev/loop17     168832 168832    0 100% /snap/gnome-3-28-1804/198
/dev/loop19     223744 223744    0 100% /snap/gnome-3-34-1804/93
/dev/loop16     168832 168832    0 100% /snap/gnome-3-28-1804/194
/dev/loop24     66816  66816    0 100% /snap/gtk-common-themes/1519
/dev/loop21     358144 358144    0 100% /snap/gnome-3-38-2004/143
/dev/loop18     223744 223744    0 100% /snap/gnome-3-34-1804/90
/dev/loop23     508928 508928    0 100% /snap/gnome-42-2204/141
/dev/loop25     93952  93952    0 100% /snap/gtk-common-themes/1535
/dev/loop20     358144 358144    0 100% /snap/gnome-3-38-2004/140
/dev/loop22     508928 508928    0 100% /snap/gnome-42-2204/132
/dev/loop26     505344 505344    0 100% /snap/netbeans/102
/dev/loop27     501248 501248    0 100% /snap/netbeans/93
/dev/loop28     13312  13312    0 100% /snap/snap-store/1113
/dev/loop30     39680  39680    0 100% /snap/snapd/21465
/dev/loop31     39808  39808    0 100% /snap/snapd/21759
/dev/loop29     12672  12672    0 100% /snap/snap-store/959
/dev/loop32     104320 104320    0 100% /snap/weka-james-carroll/51
/dev/sda1       523248 45460 477788 9% /boot/efi
tmpfs           791876 64 791812 1% /run/user/1000
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ df -m
Filesystem      1M-blocks  Used Available Use% Mounted on
udev             3821    0    3821  0% /dev
tmpfs            774    4    770  1% /run
/dev/sda2       937292 76741 812867 9% /
tmpfs            3867  193   3674  5% /dev/shm
tmpfs            5    1    5  1% /run/lock
tmpfs            3867    0   3867  0% /sys/fs/cgroup
/dev/loop1       312  312    0 100% /snap/code/159
/dev/loop0        1    1    0 100% /snap/bare/5
/dev/loop4       105  105    0 100% /snap/core/17200
/dev/loop2       313  313    0 100% /snap/code/162
/dev/loop3       104  104    0 100% /snap/core/16928
/dev/loop5        56   56    0 100% /snap/core18/2823
/dev/loop11       67   67    0 100% /snap/core24/423
/dev/loop8        64   64    0 100% /snap/core20/2318
/dev/loop9        75   75    0 100% /snap/core22/1122
/dev/loop6        56   56    0 100% /snap/core18/2829

```

```

/dev/loop10    75  75    0 100% /snap/core22/1380
/dev/loop13     7   7    0 100% /snap/curl/1754
/dev/loop12     7   7    0 100% /snap/curl/1679
/dev/loop7     64  64    0 100% /snap/core20/2264
/dev/loop14    333 333    0 100% /snap/eclipse/87
/dev/loop15    341 341    0 100% /snap/eclipse/95
/dev/loop17    165 165    0 100% /snap/gnome-3-28-1804/198
/dev/loop19    219 219    0 100% /snap/gnome-3-34-1804/93
/dev/loop16    165 165    0 100% /snap/gnome-3-28-1804/194
/dev/loop24     66  66    0 100% /snap/gtk-common-themes/1519
/dev/loop21    350 350    0 100% /snap/gnome-3-38-2004/143
/dev/loop18    219 219    0 100% /snap/gnome-3-34-1804/90
/dev/loop23    497 497    0 100% /snap/gnome-42-2204/141
/dev/loop25     92  92    0 100% /snap/gtk-common-themes/1535
/dev/loop20    350 350    0 100% /snap/gnome-3-38-2004/140
/dev/loop22    497 497    0 100% /snap/gnome-42-2204/132
/dev/loop26    494 494    0 100% /snap/netbeans/102
/dev/loop27    490 490    0 100% /snap/netbeans/93
/dev/loop28     13  13    0 100% /snap/snap-store/1113
/dev/loop30     39  39    0 100% /snap/snapd/21465
/dev/loop31     39  39    0 100% /snap/snapd/21759
/dev/loop29     13  13    0 100% /snap/snap-store/959
/dev/loop32    102 102    0 100% /snap/weka-james-carroll/51
/dev/sda1     511  45   467  9% /boot/efi
tmpfs         774   1   774  1% /run/user/1000
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$

```

```

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ du
8      .
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ du -h
8.0K   .
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208/temp2$ cd ..
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ du
8      ./temp2
4      ./Test_Folder
6472   .
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ dh -h

```

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

```
sudo apt install debhelper
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ du -h
```

```
8.0K  ./temp2
```

```
4.0K  ./Test_Folder
```

```
6.4M  .
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
```

```
'ITDEPT-FPL-2 Lab Manual.pdf' Screenshot.png temp2 test Test_Folder test.txt
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ cat > file
```

```
hello world
```

```
how are you
```

```
this is file
```

```
^C
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
```

```
file Screenshot.png test test.txt
```

```
'ITDEPT-FPL-2 Lab Manual.pdf' temp2 Test_Folder
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ diff file.txt test.txt
```

```
diff: file.txt: No such file or directory
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ diff file test
```

```
2,3d1
```

```
< how are you
```

```
< this is file
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ tar cvf files.tar *.txt
```

```
test.txt
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ ls
```

```
file 'ITDEPT-FPL-2 Lab Manual.pdf' temp2 Test_Folder
```

```
files.tar Screenshot.png test test.txt
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$
```

```
oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208$ kill -l
```

```
1) SIGHUP 2) SIGINT 3) SIGQUIT 4) SIGILL 5) SIGTRAP
```

```
6) SIGABRT 7) SIGBUS 8) SIGFPE 9) SIGKILL 10) SIGUSR1
```

```
11) SIGSEGV 12) SIGUSR2 13) SIGPIPE 14) SIGALRM 15) SIGTERM
```

```
16) SIGSTKFLT 17) SIGCHLD 18) SIGCONT 19) SIGSTOP 20) SIGTSTP
```

```
21) SIGTTIN 22) SIGTTOU 23) SIGURG 24) SIGXCPU 25) SIGXFSZ
```

```
26) SIGVTALRM 27) SIGPROF 28) SIGWINCH 29) SIGIO 30) SIGPWR
```

```
31) SIGSYS 34) SIGRTMIN 35) SIGRTMIN+1 36) SIGRTMIN+2 37) SIGRTMIN+3
```

```
38) SIGRTMIN+4 39) SIGRTMIN+5 40) SIGRTMIN+6 41) SIGRTMIN+7 42)
```

```
SIGRTMIN+8
```

43) SIGRTMIN+9	44) SIGRTMIN+10	45) SIGRTMIN+11	46) SIGRTMIN+12	47)
SIGRTMIN+13				
48) SIGRTMIN+14	49) SIGRTMIN+15	50) SIGRTMAX-14	51) SIGRTMAX-13	52)
SIGRTMAX-12				
53) SIGRTMAX-11	54) SIGRTMAX-10	55) SIGRTMAX-9	56) SIGRTMAX-8	57)
SIGRTMAX-7				
58) SIGRTMAX-6	59) SIGRTMAX-5	60) SIGRTMAX-4	61) SIGRTMAX-3	62)
SIGRTMAX-2				
63) SIGRTMAX-1	64) SIGRTMAX			

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ cmatrix red

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ ps

PID	TTY	TIME	CMD
23014	pts/0	00:00:00	bash
25761	pts/0	00:00:00	ps

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ ps

PID	TTY	TIME	CMD
23014	pts/0	00:00:00	bash
25955	pts/0	00:00:00	ps

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ ps

PID	TTY	TIME	CMD
23014	pts/0	00:00:00	bash
25957	pts/0	00:00:00	ps

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ man grep

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ man echo

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ man read

oslab-09@oslab09-OptiPlex-5060:~/Desktop/33208\$ man cp