

# Assignment No. : 1(a)

Roll No. : 33224

Subject : OSL

Batch : L-10

```
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
```

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/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

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/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) SIGRTMIN35) 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
```