#### **Linux Directory Commands**

```
s4@s4:-/Desktop/MhdRayan$ pwd
/home/s4/Desktop/MhdRayan$ mkdir test1
s4@s4:-/Desktop/MhdRayan$ rmdir test1
s4@s4:-/Desktop/MhdRayan$ rmdir test1
s4@s4:-/Desktop/MhdRayan$ ls
s4@s4:-/Desktop/MhdRayan$ ls
s4@s4:-/Desktop/MhdRayan$ ls
ls test1
s4@s4:-/Desktop/MhdRayan$ cd test1
s4@s4:-/Desktop/MhdRayan$ cd test1
s4@s4:-/Desktop/MhdRayan\test1$ cd..
cd.: command not found
s4@s4:-/Desktop/MhdRayan\test1$ cd .
s4@s4:-/Desktop/MhdRayan\test1$ cd .
s4@s4:-/Desktop/MhdRayan\test1$ cd .
s4@s4:-/Desktop/MhdRayan\test1$ cd .
s4@s4:-/Desktop/MhdRayan$
```

### **Linux File Commands**

```
s48s4:-/Desktop/WhdRayanS to demo.txt
s48s4:-/Desktop/WhdRayanS cat demo.txt
s48s4:-/Desktop/WhdRayanS cat demo2.txt
cat: demo2.txt: No such file or directory
s48s4:-/Desktop/WhdRayanS rm demo.txt
s48s4:-/Desktop/WhdRayanS rm demo.txt
s48s4:-/Desktop/WhdRayanS rm demo.txt
s48s4:-/Desktop/WhdRayanS touch demo2.txt
s48s4:-/Desktop/WhdRayanS touch demo2.txt
s48s4:-/Desktop/WhdRayanS cp demo.txt demo2.txt
s48s4:-/Desktop/WhdRayanS cp demo.txt demo2.txt
s48s4:-/Desktop/WhdRayanS cp demo.txt demo2.txt
s48s4:-/Desktop/WhdRayanS rm demo.txt home/S4/Desktop
w: cannot nove 'demo.txt' to '/home/S4/Desktop': No such file or directory
s48s4:-/Desktop/WhdRayanS my demo.txt /home/S4/Desktop
//home/S4/Desktop/WhdRayanS pwd
//home/S4/Desktop/WhdRayanS my demo.txt /home/S4/Desktop
s48s4:-/Desktop/WhdRayanS rename 's/\.txtS/\.pdf/' *.txt
command 'rename' not found, but can be installed with:
s48s4:-/Desktop/WhdRayanS rename 's/\.txtS/\.pdf/' *.txt
```

### **Linux File Content Commands**

```
s4@s4:-/Desktop/MhdRayan$ more demo1.txt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
54@s4:-/Desktop/MhdRayan$ less demo1.txt
```

## **Linux User Command**

```
s4@s4:-/Desktop/MhdRayan$ su s4
Password:
s4@s4:-/Desktop/MhdRayan$ id
uid=1000(s4) gid=1000(s4) groups=1000(s4),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),135(lxd),136(sambashare)
s4@s4:-/Desktop/MhdRayan$
```

# **Linux Filter Commands**

```
s4@s4:~/Desktop/MhdRayan$ sed 's/a/A/'
Rayan
RAyan
bad
bAd
 ^C
s4@s4:~/Desktop/MhdRayan$ tee demoo2.txt
jjkl
jjkl
$4@$4:~/Desktop/MhdRayan$ tr 'Welcome' 'Hi'
Welcome Rayan
 s4@s4:~/Desktop/MhdRayan$ sort demo2.txt | uniq
Good Morning
                  top/MhdRayan$ sort demo2.txt | uniq
Midhun -5
nijin -70
Rayan - 50
 s4@s4:~/Desktop/MhdRayan$ wc demo2.txt
3 7 31 demo2.txt
37 31 Gen02.txt
90600000 061 012 062 012 063 012 064 012 065 012 066 012 067 012 070 012
9000020 071 012 061 060 012 061 061 012 061 062 012 061 063 012 061 064
9000040 012 061 065 012
0000044
$4@$4:~/Desktop/MhdRayan$ od -c demo1.txt
00000000 1 \n 2 \n 3 \n 4 \n 5 \n 6 \n 7 \n 8 \n
00000020 9 \n 1 0 \n 1 1 \n 1 2 \n 1 3 \n 1 4
0000040 \n 1 5 \n
 s4@s4:~/Desktop/MhdRayan$ sort demo2.txt
Midhun -5
nijin -70
Rayan - 50

s4@s4:~/Desktop/MhdRayan$ gzip demo1.txt

s4@s4:~/Desktop/MhdRayan$ gunzip demo1.txt

s4@s4:~/Desktop/MhdRayan$
```

### **Linux Utility Commands**

```
1K-blocks
930272
         Filesystem
                                                                                                                                                                                      Used Available Use% Mounted on
                                                                                                                                                                                                                                                                   le Use% Mounted on
24 1% /run
98 3% /
48 0% /dev/shm
16 1% /run/lock
32 2% /boot/efi
68 1% /run/user/1000
0 100% /media/s4/CDROM
0 100% /media/s4/Ubuntu 22.04.4 LTS amd64
                                                                                                                                                                                      2048
                                                                                                                                                                                                                                 928224
         tmpfs
       /dev/sda3
                                                                                                  514416928 11645756 476566808
      tmpfs
tmpfs
/dev/sda2
                                                                                                                                                                                         0
                                                                                                              4651348
                                                                                                                                                                                                                               4651348
                                                                                                                          5120
                                                                                                                                                                                                                                            5116
                                                                                                                    524252
                                                                                                                                                                                      6220
                                                                                                                                                                                                                                        518032
                                                                                                                  930268
155588
                                                                                                                                                                        1700
155588
          tmpfs
                                                                                                                                                                                                                                       928568
/dev/sr0 155588 155588 0 100% /media/s4/CDROM /dev/sr1 4899762 4899762 0 100% /media/s4/Ubuntu 22.04.4 LTS amd64 s4gs4:-/Desktop/imbdRayan; mount sysfs on /sys type sysfs (rw.nosuid,nodev.noexec.relatime) proc on /norc type proc (rw.nosuid,nodev.noexec.relatime) udev on /dev type devtmpfs (rw.nosuid,noexec.relatime,size=4613072k,nr_inodes=1153268,mode=755,inode64) devpts on /dev/pts type devpts (rw.nosuid,noexec.relatime,size=30272k,mode=526,ptmxmode=000) tmpfs on /run type tmpfs (rw.nosuid,nodev.noexec.relatime,size=930272k,mode=755,inode64) /dev/sda3 on / type ext4 (rw.relatime,errors=remount-ro) securityfs on /sys/kernel/security type securityfs (rw.nosuid,nodev.noexec.relatime) tmpfs on /dev/shm type tmpfs (rw.nosuid,nodev,inode64) tmpfs on /run/lock type tmpfs (rw.nosuid,nodev,noexec.relatime,size=5120k,inode64) cgroup2 on /sys/fs/group type cgroup2 (rw.nosuid,nodev,noexec.relatime,nsdelegate,memory_recursiveprot) pstore on /sys/fs/group type cgroup2 (rw.nosuid,nodev,noexec.relatime) ppf on /sys/fs/group type cgroup2 (rw.nosuid,nodev,noexec.relatime) ppf on /sys/fs/group type bpf (rw.nosuid,nodev,noexec.relatime,mode=700) /sys/fs/group type updid=100 /ry.relatime,mode=700) /sys/fs/pbf type bpf (rw.nosuid,nodev,noexec,relatime,mode=700) /sys/fs/bpf type bpf (rw.nosuid,nodev,noexec,relatime) /ry.relatime,mode=700 /ry.relatime,mode=700 /rys/fs/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fs/sys/sys/mode=700 /rys/fib/snapd/snaps/bare=5.snap on /snap/bare/5 type squashfs (ro.nodev,relatime,errors=continue,threads=single,x-gdu.hide) /rar/lib/snapd/snaps/bare=5.snap on /snap/bare/5 type squashfs 
       /dev/sr0
             dev/sr1
                                                                                                               4899762
                                                                                                                                                                   4899762
```

### **Linux Networking Commands**

```
1: los - (LODPBACK, MPLADAR DE NEW DE NEW SESSA EN CASSA EN CASSA
```