



UNIX AND LINUX** **ESSENTIALS

VIVA-2

SUBMITTED BY:

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```
root@kali:~/Desktop# pwd
/root/Desktop
root@kali:~/Desktop# mkdir test
root@kali:~/Desktop# ls
A      asas      a.txt  ay.txt  b      c.txt  e.txt
aass   assignment21092020  A.txt  Ayush  b.txt  d.txt  test
root@kali:~/Desktop# date
Fri 22 Oct 2021 11:49:15 IST
root@kali:~/Desktop# touch 1.txt
root@kali:~/Desktop# touch 2.txt
root@kali:~/Desktop# echo "helo" >1.txt
root@kali:~/Desktop# cat 1.txt
helo
root@kali:~/Desktop#
root@kali:~/Desktop# mkdir Ayush
mkdir: cannot create directory 'Ayush': File exists
root@kali:~/Desktop# mkdir Ayushjha
root@kali:~/Desktop# rmdir Ayushjha
root@kali:~/Desktop# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 192.168.126.128  netmask 255.255.255.0  broadcast 192.168.126.255
    inet6 fe80::20c:29ff:fe1c:bd7d  prefixlen 64  scopeid 0x20<link>
    ether 00:0c:29:1c:bd:7d  txqueuelen 1000  (Ethernet)
    RX packets 46  bytes 3225 (3.1 KiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 15  bytes 1390 (1.3 KiB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 32  bytes 1840 (1.7 KiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 32  bytes 1840 (1.7 KiB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

root@kali:~/Desktop#
```

```

(guest@kali)-[~]
$ pwd
/home/guest
(guest@kali)-[~]
$ ls -la
total 108
drwxr-xr-x 15 guest guest 4096 Oct
drwxr-xr-x  4 root  root  4096 Oct
-rw-r--r--  1 guest guest   12 Oct
-rw-r--r--  1 guest guest    0 Oct
-rw-r--r--  1 guest guest  220 Jan
-rw-r--r--  1 guest guest 4705 Apr
-rw-r--r--  1 guest guest 3526 Jan
drwx----- 8 guest guest 4096 Oct
drwx----- 9 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
-rw-r--r--  1 guest guest 11759 Feb
lrwxrwxrwx  1 guest guest    5 Feb
drwx----- 3 guest guest 4096 Oct
drwxr-xr-x  3 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
-rw-r--r--  1 guest guest  807 Jan
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
drwxr-xr-x  2 guest guest 4096 Oct
-rw-r--r--  1 guest guest 8381 Feb
(guest@kali)-[~]
$

```

```

(guest@kali)-[~]
$ mkdir test

```

```
drwxr-xr-x  2 guest guest 4096
```

```

(guest@kali)-[~]
$ cp /etc/resolv.conf test
(guest@kali)-[~]
$ mv test testing
(guest@kali)-[~]
$ rmdir testing
rmdir: failed to remove 'testing': Directory not empty
(guest@kali)-[~]
$ rm -r testing
(guest@kali)-[~]
$

```

```

(guest@kali)-[~]
$ chmod 775 guest
(guest@kali)-[~]
$ chmod 700 /tmp
chmod: changing permissions of '/tmp': Operation not permitted
(guest@kali)-[~]
$ chmod a=rwx,o+t /tmp
chmod: changing permissions of '/tmp': Operation not permitted
(guest@kali)-[~]
$

```

```

(guest@kali)-[~]
$ pwd
/home/guest
(guest@kali)-[~]
$ cd /
(guest@kali)-[/]
$ ls
1.txt bin boot dev etc home initrd.img initrd.img.old lib lib32 lib64 libx32 lost+found media mnt opt proc root run sbin srv sys tmp usr var vmlinuz vmlinuz.old
(guest@kali)-[/]
$ ls -l
total 72
-rwxrwxr-- 1 root root 26 Aug 18 15:45 1.txt
lrwxrwxrwx 1 root root 7 Apr 8 2021 bin -> usr/bin
drwxr-xr-x 3 root root 4096 Jun 9 03:03 boot
drwxr-xr-x 17 root root 3220 Oct 12 11:37 dev
drwxr-xr-x 168 root root 12288 Oct 12 11:06 etc
drwxr-xr-x 4 root root 4096 Oct 12 11:00 home
lrwxrwxrwx 1 root root 34 Apr 8 2021 initrd.img -> boot/initrd.img-5.10.0-kali3-amd64
lrwxrwxrwx 1 root root 34 Apr 8 2021 initrd.img.old -> boot/initrd.img-5.10.0-kali3-amd64
lrwxrwxrwx 1 root root 7 Apr 8 2021 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Apr 8 2021 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 Apr 8 2021 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 Apr 8 2021 libx32 -> usr/libx32
drwx----- 2 root root 16384 Apr 8 2021 lost+found
drwxr-xr-x 3 root root 4096 Apr 8 2021 media
drwxr-xr-x 2 root root 4096 Apr 8 2021 mnt
drwxr-xr-x 5 root root 4096 Apr 18 07:37 opt
dr-xr-xr-x 313 root root 0 Oct 12 10:50 proc
drwx----- 27 root root 4096 Sep 26 19:48 root
drwxr-xr-x 37 root root 900 Oct 12 11:25 run
lrwxrwxrwx 1 root root 8 Apr 8 2021 sbin -> usr/sbin
dr-xr-xr-x 13 root root 0 Oct 12 10:50 sys
drwxrwxrwt 19 root root 4096 Oct 12 11:39 tmp
drwxr-xr-x 14 root root 4096 Apr 8 2021 usr
drwxr-xr-x 13 root root 4096 May 25 01:31 var
lrwxrwxrwx 1 root root 31 Apr 8 2021 vmlinuz -> boot/vmlinuz-5.10.0-kali3-amd64
lrwxrwxrwx 1 root root 31 Apr 8 2021 vmlinuz.old -> boot/vmlinuz-5.10.0-kali3-amd64
(guest@kali)-[/]
$ ls -ld /home/guest
drwxr-xr-x 15 guest guest 4096 Oct 12 11:37 /home/guest
(guest@kali)-[/]
$

```

```
(guest@kali)-[~]  
$ touch yourloginname  
(guest@kali)-[~]  
$ ls -l yourloginname  
-rw-r--r-- 1 guest guest 0 Oct 22 11:54 yourloginname  
(guest@kali)-[~]  
$ ls -li yourloginname  
3408354 -rw-r--r-- 1 guest guest 0 Oct 22 11:54 yourloginname  
(guest@kali)-[~]  
$ cp yourloginname yourloginname1  
(guest@kali)-[~]  
$ ls -li yourloginname1  
3408353 -rw-r--r-- 1 guest guest 0 Oct 22 11:55 yourloginname1  
(guest@kali)-[~]  
$ mv yourloginname yourloginname2  
(guest@kali)-[~]  
$ ls -li yourloginname2  
3408354 -rw-r--r-- 1 guest guest 0 Oct 22 11:54 yourloginname2  
(guest@kali)-[~]  
$ mv yourloginname2 yourloginname  
(guest@kali)-[~]  
$
```

```
root@kali:~# useradd -m guest1  
root@kali:~# passwd guest1  
New password:  
Retype new password:  
passwd: password updated successfully  
root@kali:~# usermod -a -G sudo guest1  
root@kali:~# chsh -s /bin/bash guest1  
root@kali:~# useradd -m guest2  
root@kali:~# passwd guest2  
New password:  
Retype new password:  
passwd: password updated successfully  
root@kali:~#
```