Task – 4 Commands

User Management commands:

Adding user:

Listing user:

Deleting user:

Adding groups:

```
[root@ip-172-31-23-31 ~]# groupadd rubygrp
[root@ip-172-31-23-31 ~]# groupadd ranjigrp
[root@ip-172-31-23-31 ~]# cat /etc/group
root:x:0:
bin:x:1:
daemon:x:2:
sys:x:3:
adm:x:4:ec2-user
tty:x:5:
disk:x:6:
lp:x:7:
mem:x:8:
kmem:x:9:
wheel:x:10:ec2-user
cdrom:x:11:
mail:x:12:
man:x:15:
dialout:x:18:
floppy:x:19:
games:x:20:
```

Listing groups:

```
rubika:x:1001:
ranji:x:1002:
rubygrp:x:1003:
ranjigrp:x:1004:
[root@ip-172-31-23-31 ~]#
```

Deleting groups:

```
[root@ip-172-31-23-31 ~]# groupdel ranjigrp
[root@ip-172-31-23-31 ~]# cat /etc/group
root:x:0:
bin:x:1:
daemon:x:2:
sys:x:3:
adm:x:4:ec2-user
tty:x:5:
disk:x:6:
lp:x:7:
mem:x:8:
kmem:x:9:
wheel:x:10:ec2-user
cdrom:x:11:
mail:x:12:
man:x:15:
dialout:x:18:
floppy:x:19:
```

List of groups after deleting one group:

```
rubika:x:1001:
ranji:x:1002:
rubygrp:x:1003:
[root@ip-172-31-23-31 ~]#
```

Password:
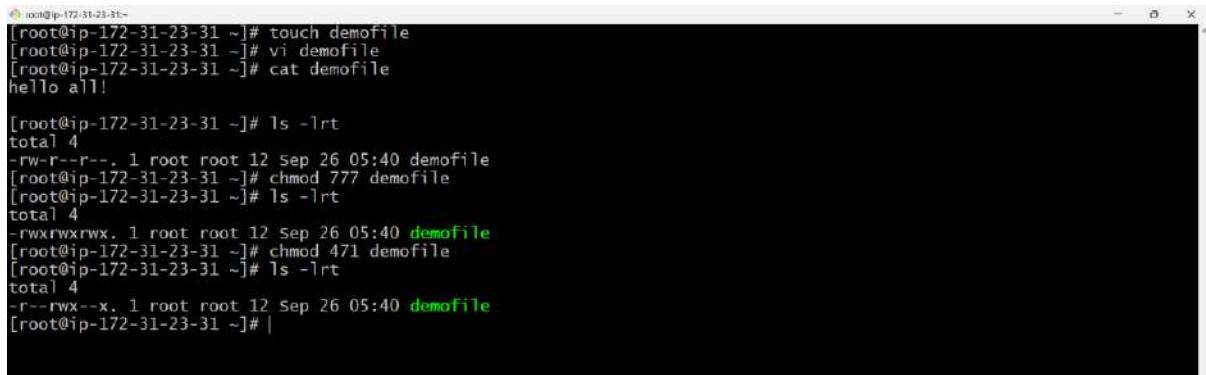
```
[root@ip-172-31-23-31 ~]# passwd rubika
Changing password for user rubika.
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-23-31 ~]#
```

```
rubika:$6$6TS7.Hk1KKo6qraC$AnyCJxVFOpHksonguAtoL.pJlMLonfsCzLxjvTTRU3XJn5J5Rn9TNs754UJSY1RvKOo/7m7ZPQTUwqBxp/aZt.:2035
7:0:99999:7:::
ranji:!!:20357:0:99999:7:::
[root@ip-172-31-23-31 ~]#
```

Listing user and groups that we want:

```
[root@ip-172-31-23-31 ~]# cat /etc/passwd | grep rubika
rubika:x:1001:1001::/home/rubika:/bin/bash
[root@ip-172-31-23-31 ~]# cat /etc/group | grep rubygrp
rubygrp:x:1003:
[root@ip-172-31-23-31 ~]#
```

File Management Commands:


```
[root@ip-172-31-23-31 ~]# touch demofile
[root@ip-172-31-23-31 ~]# vi demofile
[root@ip-172-31-23-31 ~]# cat demofile
hello all!

[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rw-r--r--. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod 777 demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rwxrwxrwx. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod 471 demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-r--rwx--x. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]#
```



```
[root@ip-172-31-23-31 ~]# touch demofile
[root@ip-172-31-23-31 ~]# vi demofile
[root@ip-172-31-23-31 ~]# cat demofile
hello all!

[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rw-r--r--. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod 777 demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rwxrwxrwx. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod 471 demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-r--rwx--x. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod u+w demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rw-rwx--x. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod u+x demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
-rwxrwx--x. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]# chmod u-rw demofile
[root@ip-172-31-23-31 ~]# ls -lrt
total 4
---xrwx--x. 1 root root 12 Sep 26 05:40 demofile
[root@ip-172-31-23-31 ~]#
```
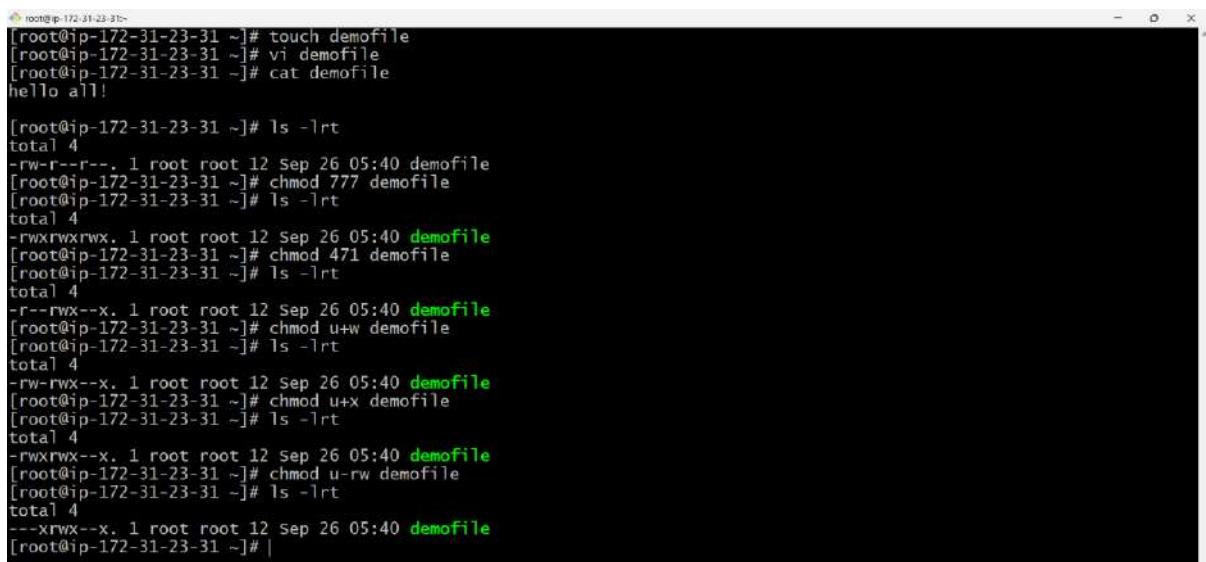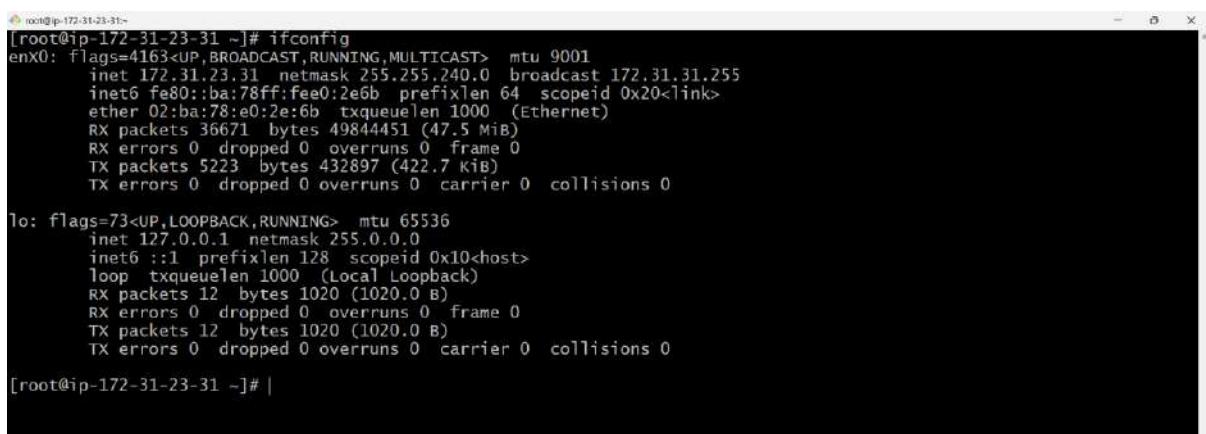
Networking Commands:


```
[root@ip-172-31-23-31 ~]# ifconfig
enX0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 9001
        inet 172.31.23.31  netmask 255.255.240.0  broadcast 172.31.31.255
        inet6 fe80::ba:78ff:fee0:2e6b  prefixlen 64  scopeid 0x20<link>
        ether 02:ba:78:e0:2e:6b  txqueuelen 1000  (Ethernet)
        RX packets 36671  bytes 49844451 (47.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 5223  bytes 432897 (422.7 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 12  bytes 1020 (1020.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 12  bytes 1020 (1020.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@ip-172-31-23-31 ~]#
```



```
[root@ip-172-31-23-31 ~]# ping 47.129.31.96
PING 47.129.31.96 (47.129.31.96) 56(84) bytes of data.
```

```
[root@ip-172-31-23-31 ec2-user]# wget https://templatemo.com/download/templatemo_596_electric_xtra
--2025-09-26 05:57:50--  https://templatemo.com/download/templatemo_596_electric_xtra
Resolving templatemo.com (templatemo.com)... 72.52.176.250
Connecting to templatemo.com (templatemo.com)|72.52.176.250|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://templatemo.com/tm-zip-files-2020/templatemo_596_electric_xtra.zip [following]
--2025-09-26 05:57:52--  https://templatemo.com/tm-zip-files-2020/templatemo_596_electric_xtra.zip
Connecting to templatemo.com (templatemo.com)|72.52.176.250|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11330 (11K) [application/zip]
Saving to: 'templatemo_596_electric_xtra'

templatemo_596_electric_xtra    100%[===================================================================>]  11.06K  --.-KB/s    in 0s

2025-09-26 05:57:53 (236 MB/s) - 'templatemo_596_electric_xtra' saved [11330/11330]

[root@ip-172-31-23-31 ec2-user]#
```

Disk Management Commands:


```
[root@ip-172-31-23-31 ec2-user]# du -h
4.0K    ./.ssh
20K     .
[root@ip-172-31-23-31 ec2-user]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M     0  4.0M   0% /dev
tmpfs           475M     0  475M   0% /dev/shm
tmpfs           190M  452K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.5G  20% /
tmpfs           475M     0  475M   0% /tmp
/dev/xvda128     10M  1.3M  8.7M  13% /boot/efi
tmpfs            95M     0   95M   0% /run/user/1000
[root@ip-172-31-23-31 ec2-user]# free -h
               total        used        free      shared  buff/cache   available
Mem:           949Mi       121Mi       605Mi       0.0Ki       222Mi       690Mi
Swap:             0B          0B          0B
[root@ip-172-31-23-31 ec2-user]#
```