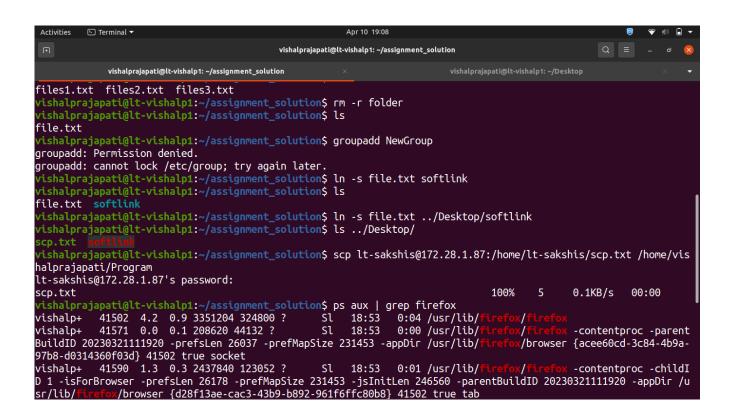
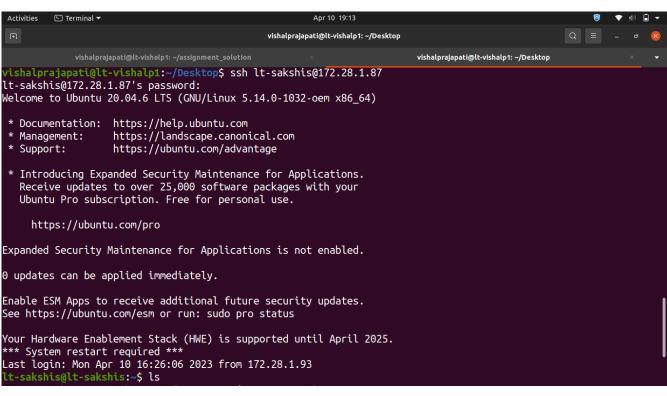
```
Apr 10 18:58
                                                    vishalprajapati@lt-vishalp1: ~/assignment_solution
               vishalprajapati@lt-vishalp1: ~/assignment solution
                                                                                        vishalprajapati@lt-vishalp1: ~/Desktop
 rishalprajapati@lt-vishalp1:~$ mkdir assignment solution
 rishalprajapati@lt-vishalp1:~$ cd assignment_solution/
 rishalprajapati@lt-vishalp1:~/assignment_solution$ touch file.txt
 rishalprajapati@lt-vishalp1:~/assignment_solution$ touch .hidden_file
rishalprajapati@lt-vishalp1:~/assignment_solution$ sudo chown root:vishalprajapati .hidden_file
[sudo] password for vishalprajapati:
 rishalprajapati@lt-vishalp1:~/assignment_solution$ ll
total 8
drwxrwxr-x 2 vishalprajapati vishalprajapati 4096 Apr 10 18:28 /
drwxr-xr-x 25 vishalprajapati vishalprajapati 4096 Apr 10 18:27
                                                             0 Apr 10 18:28 file.txt
-rw-rw-r-- 1 vishalprajapati vishalprajapati
-rw-rw-r-- 1 root
                                     vishalprajapati
                                                             0 Apr 10 18:28 .hidden_file
vishalprajapati@lt-vishalp1:~/assignment_solution$ sudo chmod 200 .hidden_file
 rishalprajapati@lt-vishalp1:~/assignment_solution$ ll
total 8
drwxrwxr-x 2 vishalprajapati vishalprajapati 4096 Apr 10 18:28 /
drwxr-xr-x 25 vishalprajapati vishalprajapati 4096 Apr 10 18:27 ./
-rw-rw-r-- 1 vishalprajapati vishalprajapati 0 Apr 10 18:28 file.txt
-rw-rw-r-- 1 vishalprajapati vishalprajapati
--w----- 1 root vishalprajapati
                                                             0 Apr 10 18:28 .hidden_file
 rishalprajapati@lt-vishalp1:~/assignment_solution$ mv .hidden_file ../Desktop/
 rishalprajapati@lt-vishalp1:~/assignment_solution$ ls -a ../Desktop/
   .. .hidden .hidden_file scp.txt
vishalprajapati@lt-vishalp1:~/assignment_solution$ mkdir folder
vishalprajapati@lt-vishalp1:~/assignment_solution$ touch folder/files{1..3}.txt
vishalprajapati@lt-vishalp1:~/assignment_solution$ ls folder
```



```
Apr 10 19:09
                                           vishalprajapati@lt-vishalp1: ~/assignment_solution
            vishalprajapati@lt-vishalp1: ~/assignment solution
                                                                          vishalprajapati@lt-vishalp1: ~/Desktop
97b8-d0314360f03d} 41502 true socket
vishalp+ 41590 1.3 0.3 2437840 123052 ?
                                                   Sl 18:53 0:01 /usr/lib/f
                                                                                                -contentproc -childI
D 1 -isForBrowser -prefsLen 26178 -prefMapSize 231453 -jsInitLen 246560 -parentBuildID 20230321111920 -appDir /u
           sr/lib/1
                                                                                                 -contentproc -childI
vishalp+
D 2 -isForBrowser -prefsLen 31576 -prefMapSize 231453 -jsInitLen 246560 -parentBuildID 20230321111920 -appDir /u
sr/lib/1
              /browser {d7eb79d5-758f-4d24-aac6-a143208b763c} 41502 true tab
                                                 Sl 18:53 0:00 /usr/lib/
vishalp+
           41696 0.0 0.1 206276 38932 ?
                                                                                                -contentproc -parent
BuildID 20230321111920 -sandboxingKind 0 -prefsLen 31576 -prefMapSize 231453 -appDir /usr/lib/fir
                                                                                                       efox/browser {0
272e65b-cf54-49d4-9110-ddbdfddecf08} 41502 true utility
vishalp+ 41705 0.1 0.2 2407388 76824 ?
                                                  Sl 18:53 0:00 /usr/lib/
                                                                                                -contentproc -childI
D 3 -isForBrowser -prefsLen 28812 -prefMapSize 231453 -jsInitLen 246560 -parentBuildID 20230321111920 -appDir /u
          refox/browser {00c7b393-da13-4b58-a4c7-524e2d9f9dd2} 41502 true tab
41708 0.1 0.2 2407388 76344 ? Sl 18:53 0:00 /usr/lib/*
sr/lib/
vishalp+
                                                                                                -contentproc -childI
D 4 -isForBrowser -prefsLen 28812 -prefMapSize 231453 -jsInitLen 246560 -parentBuildID 20230321111920 -appDir /u
              /browser {16da52d7-5352-4b0b-a994-09966cc7e538} 41502 true tab
sr/lib/f
                                                 Sl 18:53 0:00 /usr/lib/
           41712 0.1 0.2 2407388 76796 ?
                                                                                                -contentproc -childI
D 5 -isForBrowser -prefsLen 28812 -prefMapSize 231453 -jsInitLen 246560 -parentBuildID 20230321111920 -appDir /u
           efox/browser {9e20c292-43b5-42f0-ab16-32aa6a6faf56} 41502 true tab
41891 0.0 0.0 9040 724 pts/0 S+ 18:55 0:00 grep --color=auto
sr/lib/f
vishalprajapati@lt-vishalp1:~/assignment_solution$ kill 41502
rishalprajapati@lt-vishalp1:~/assignment_solution$ ps aux | grep firefox
vishalp+ 41919 0.0 0.0 9040 652 pts/0 S+ 18:56 0:00 grep --color=auto fire vishalprajapati@lt-vishalp1:~/assignment_solution$
```



```
lt-sakshis@lt-sakshis:~$ ls
                                                                               text.txt
                                       is
                                                           pqr.txt scp.txt
                                                           pq.txt snap
abcd.txt c
                                                 new.txt
                                                                               Videos
abc.txt dep.sh Downloads jk.txt
                                       link.txt Pictures Public
lt-sakshis@lt-sakshis:~$ cat abc.txt
lt-sakshis@lt-sakshis:~$ echo "hi" >> abc.txt
t-sakshis@lt-sakshis:~$ cat abc.txt
hi
t-sakshis@lt-sakshis:~$ exit
Connection to 172.28.1.87 closed.
vishalprajapati@lt-vishalp1:~/Desktop$ /home/vishalprajapati/B
```

```
root@tryit-stirred:-# groupadd NewGroup
root@tryit-stirred:-# useradd -g NewGroup -d /root/newuser/ newuser
root@tryit-stirred:-# groups newuser
newuser: NewGroup
root@tryit-stirred:-#
```

- 1. Create a directory
- 2. Switch to this directory
- 3. Create a normal text file
- 4. Create a hidden text file
- 5. Modify the access of the hidden text file so that it can be edited only by root user.
- 6. Move the hidden file to a your desktop.
- 7. Create a directory, add 3 files into it and then remove the whole directory.
- 8. Create a new user group.
- 9. Create a new user and assign a new user home and the previously created usergroup to the user.
- 10. Create a symbolic link in a different location for the file created in step 3.
- 11. Open google chrome or any other web browser, see its memory usage using top command and end the process using the ps and grep commands.
- 12. Use ssh and scp commands to download and modify files on an external machine.

## Solution:

1st mkdir assignment\_solution

2nd cd assignment\_solution

3rd touch file.txt

4th touch .hidden\_file

5th sudo chown root:vishalprajapati .hidden\_file sudo chmod 200 .hidden\_file

6th mv .hidden\_file ./Desktop/

7th
mkdir folder
touch file{1..3}.txt
cd ..
rmdir folder

8th groupadd NewGroup

9th useradd -g NewGroup -d /root/newuser/ newuser

10th ln -s file.txt ../Desktop/softlink/