

LINUX ASSIGNMENT

Q. 1.CREATE A TEXT FILE WITH CONTENT. CREATE A SOFTLINK TO IT. CREATE HARD LINK TO IT.DISPLAY ALL THREE FILES WITH FILENAME, SOFTLINK AND HARDLINK TO IT.

2. 5. Create 5 users with the following properties:

- a) user user1 should be a member of primary group with same name.**
- b) user user2 should be a member of primary group prod.**
- c) user user3 should be a member of secondary group prod.**
- d) user user4 should get/managers/user4 as home dir.**

ANSWER:

STEP -1 : CREATE A TEXT FILE WITH CONTENT

NOW, WE CREATE A TEXT FILE NAMED “ original_file.txt” AND ADD THE TEXT IN IT.

STEP -2: CREATE A SYMBOLIC SOFT LINK

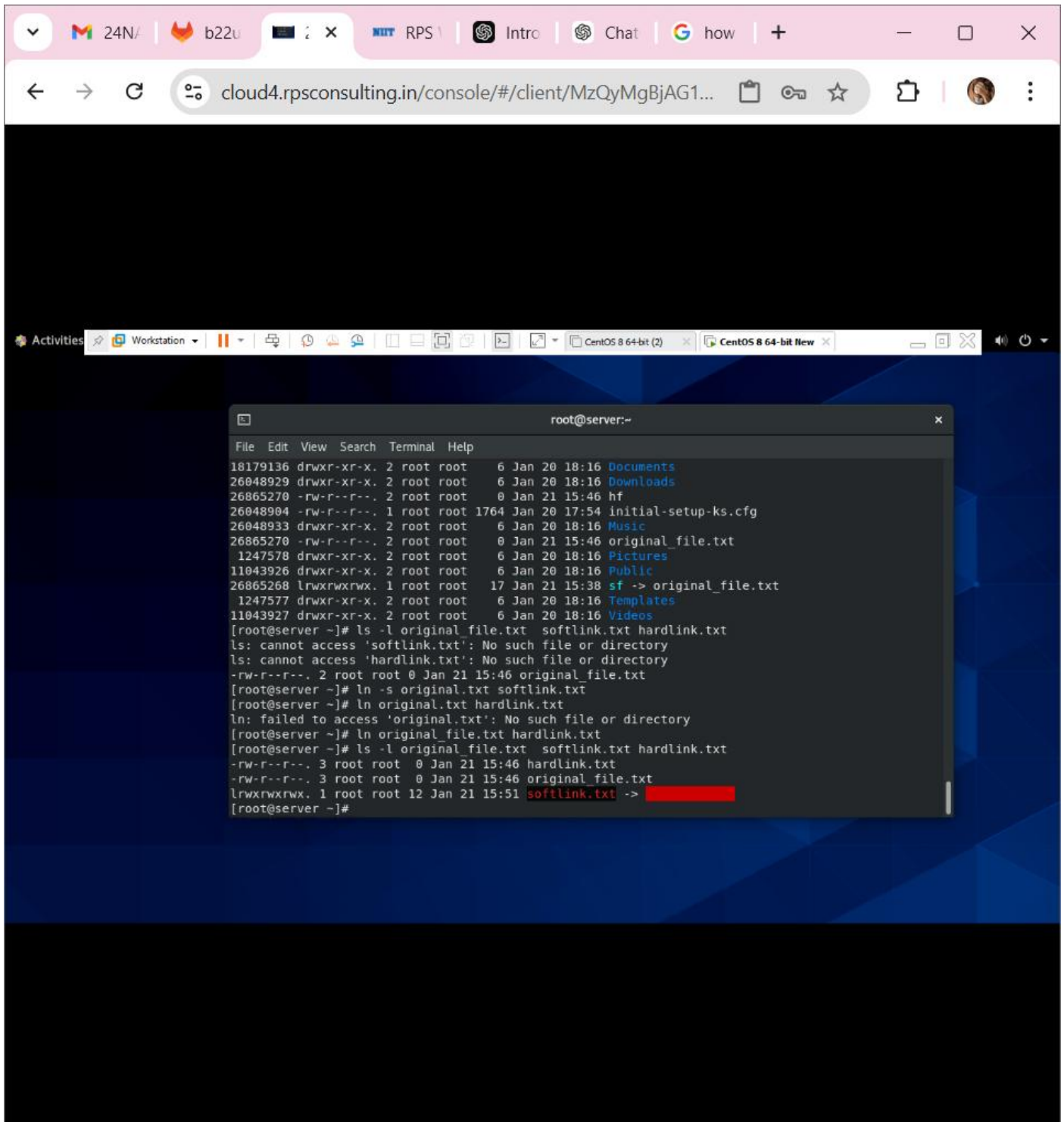
NOW, WE CREATE A SOFT LINK TO THE “ original_file.txt” USING THE LN COMMAND.

SYNTAX: `ln -s original_file.txt soft_link.txt`

STEP -3: CREATE A HARD LINK

NOW, WE CREATE A HARD LINK TO THE “ original_file.txt” USING THE LN COMMAND.

SYNTAX: `ln original_file.txt hard_link.txt`

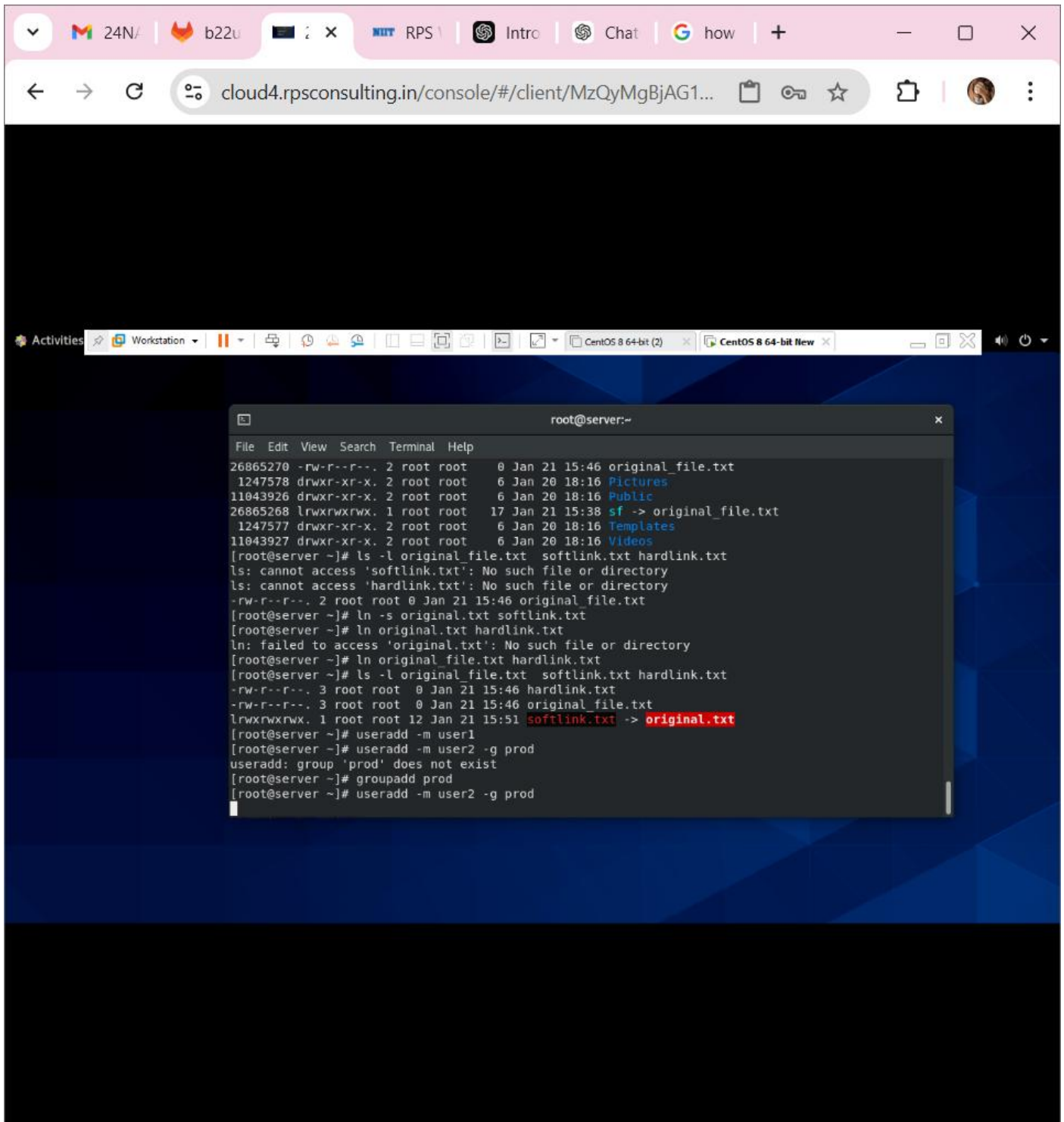


The screenshot displays a web browser window at the top with multiple tabs and a console interface. Below the browser, a terminal window titled 'root@server:~' is open, showing the following commands and output:

```
File Edit View Search Terminal Help
18179136 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Documents
26048929 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Downloads
26865270 -rw-r--r--. 2 root root 0 Jan 21 15:46 hf
26048904 -rw-r--r--. 1 root root 1764 Jan 20 17:54 initial-setup-ks.cfg
26048933 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Music
26865270 -rw-r--r--. 2 root root 0 Jan 21 15:46 original_file.txt
1247578 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Pictures
11043926 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Public
26865268 lrwxrwxrwx. 1 root root 17 Jan 21 15:38 sf -> original_file.txt
1247577 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Templates
11043927 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Videos
[root@server ~]# ls -l original_file.txt softlink.txt hardlink.txt
ls: cannot access 'softlink.txt': No such file or directory
ls: cannot access 'hardlink.txt': No such file or directory
-rw-r--r--. 2 root root 0 Jan 21 15:46 original_file.txt
[root@server ~]# ln -s original.txt softlink.txt
[root@server ~]# ln original.txt hardlink.txt
ln: failed to access 'original.txt': No such file or directory
[root@server ~]# ln original_file.txt hardlink.txt
[root@server ~]# ls -l original_file.txt softlink.txt hardlink.txt
-rw-r--r--. 3 root root 0 Jan 21 15:46 hardlink.txt
-rw-r--r--. 3 root root 0 Jan 21 15:46 original_file.txt
lrwxrwxrwx. 1 root root 12 Jan 21 15:51 softlink.txt -> original_file.txt
[root@server ~]#
```

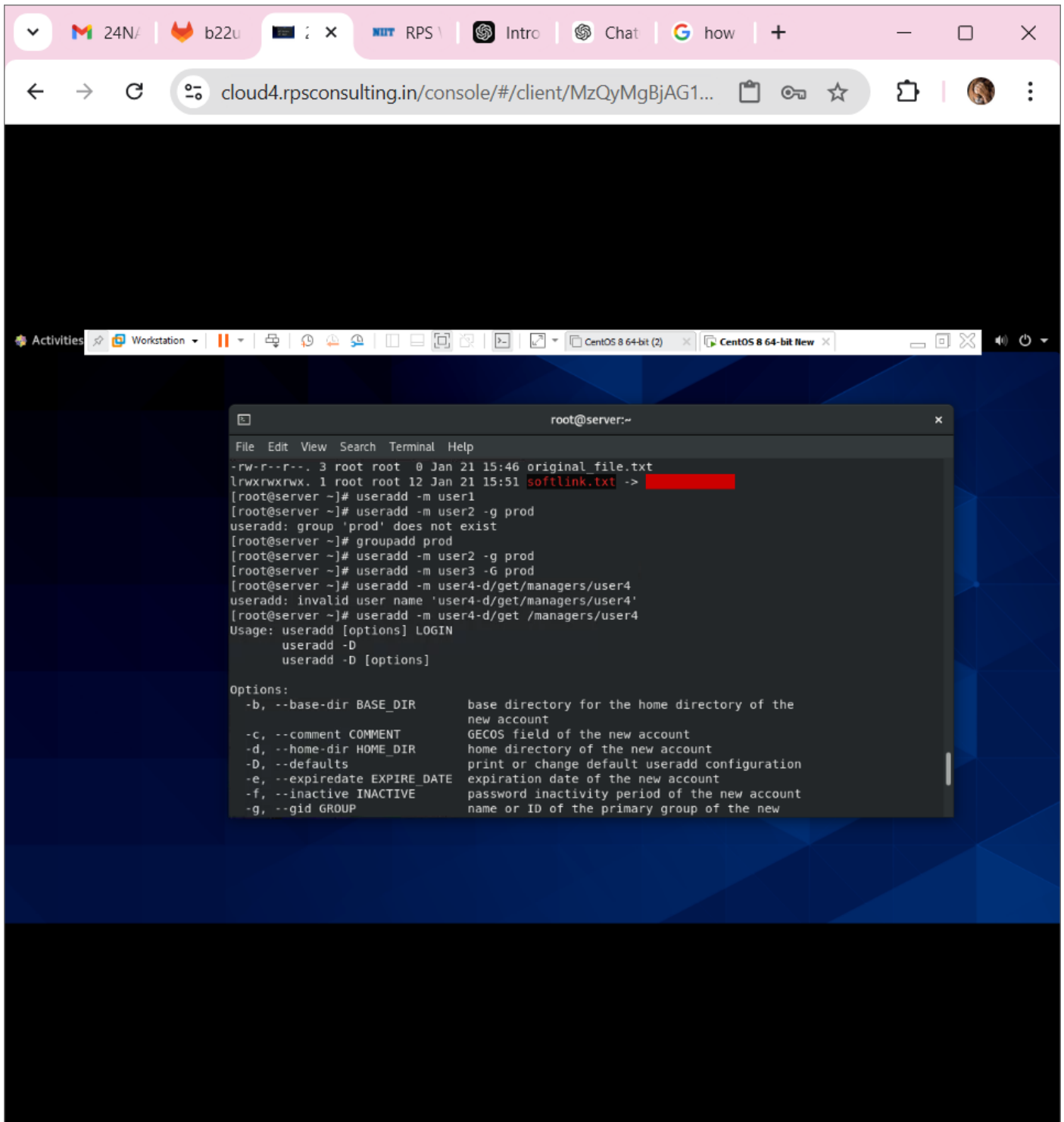
NOW, WE HAVE TO ADD THE USERS AND KINDLY FOLLOW THE NEXT COMMANDS IN THE BELOW.

WIPRO ASSIGNMENT - 18



Activities Workstation CentOS 8 64-bit (2) CentOS 8 64-bit New

```
root@server:~  
File Edit View Search Terminal Help  
26865270 -rw-r--r--. 2 root root 0 Jan 21 15:46 original_file.txt  
1247578 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Pictures  
11043926 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Public  
26865268 lrwxrwxrwx. 1 root root 17 Jan 21 15:38 sf -> original_file.txt  
1247577 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Templates  
11043927 drwxr-xr-x. 2 root root 6 Jan 20 18:16 Videos  
[root@server ~]# ls -l original_file.txt softlink.txt hardlink.txt  
ls: cannot access 'softlink.txt': No such file or directory  
ls: cannot access 'hardlink.txt': No such file or directory  
-rw-r--r--. 2 root root 0 Jan 21 15:46 original_file.txt  
[root@server ~]# ln -s original.txt softlink.txt  
[root@server ~]# ln original.txt hardlink.txt  
ln: failed to access 'original.txt': No such file or directory  
[root@server ~]# ln original_file.txt hardlink.txt  
[root@server ~]# ls -l original_file.txt softlink.txt hardlink.txt  
-rw-r--r--. 3 root root 0 Jan 21 15:46 hardlink.txt  
-rw-r--r--. 3 root root 0 Jan 21 15:46 original_file.txt  
lrwxrwxrwx. 1 root root 12 Jan 21 15:51 softlink.txt -> original.txt  
[root@server ~]# useradd -m user1  
[root@server ~]# useradd -m user2 -g prod  
useradd: group 'prod' does not exist  
[root@server ~]# groupadd prod  
[root@server ~]# useradd -m user2 -g prod
```



```
root@server:~  
File Edit View Search Terminal Help  
-rw-r--r-- 3 root root 0 Jan 21 15:46 original_file.txt  
lrwxrwxrwx. 1 root root 12 Jan 21 15:51 softlink.txt -> [REDACTED]  
[root@server ~]# useradd -m user1  
[root@server ~]# useradd -m user2 -g prod  
useradd: group 'prod' does not exist  
[root@server ~]# groupadd prod  
[root@server ~]# useradd -m user2 -g prod  
[root@server ~]# useradd -m user3 -G prod  
[root@server ~]# useradd -m user4-d/get/managers/user4  
useradd: invalid user name 'user4-d/get/managers/user4'  
[root@server ~]# useradd -m user4-d/get /managers/user4  
Usage: useradd [options] LOGIN  
        useradd -D  
        useradd -D [options]  
  
Options:  
-b, --base-dir BASE_DIR      base directory for the home directory of the  
                               new account  
-c, --comment COMMENT        GECOS field of the new account  
-d, --home-dir HOME_DIR      home directory of the new account  
-D, --defaults                print or change default useradd configuration  
-e, --expiredate EXPIRE_DATE expiration date of the new account  
-f, --inactive INACTIVE       password inactivity period of the new account  
-g, --gid GROUP               name or ID of the primary group of the new
```

*****THANK YOU*****