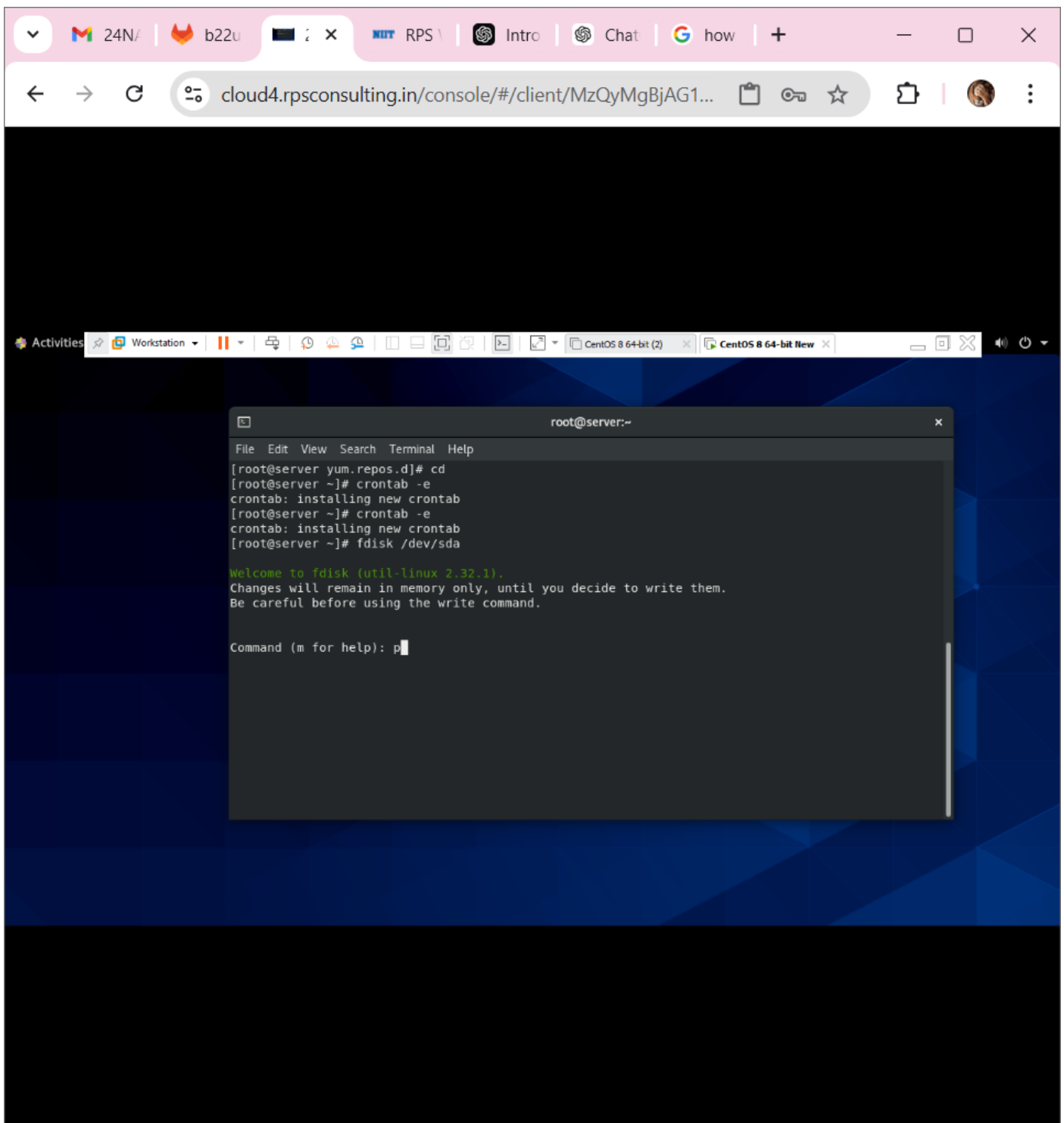


LINUX ASSIGNMENT

Q. CREATE A 100 MB PARTITION, FORMAT IT AND MOUNT IT AND CREATE A DIR /TEST. CREATE A TESTFILE WITH THE CONTENT "LEARNING LINUX IS FUN" THIS FILE SHOULD BE OWNED BY USER ROOT AND GROUP ROOT.USER ARVIND AND GROUP SALES SHOULD HAVE FULL PERMISSIONS FOR THIS FILE.

ANSWER:



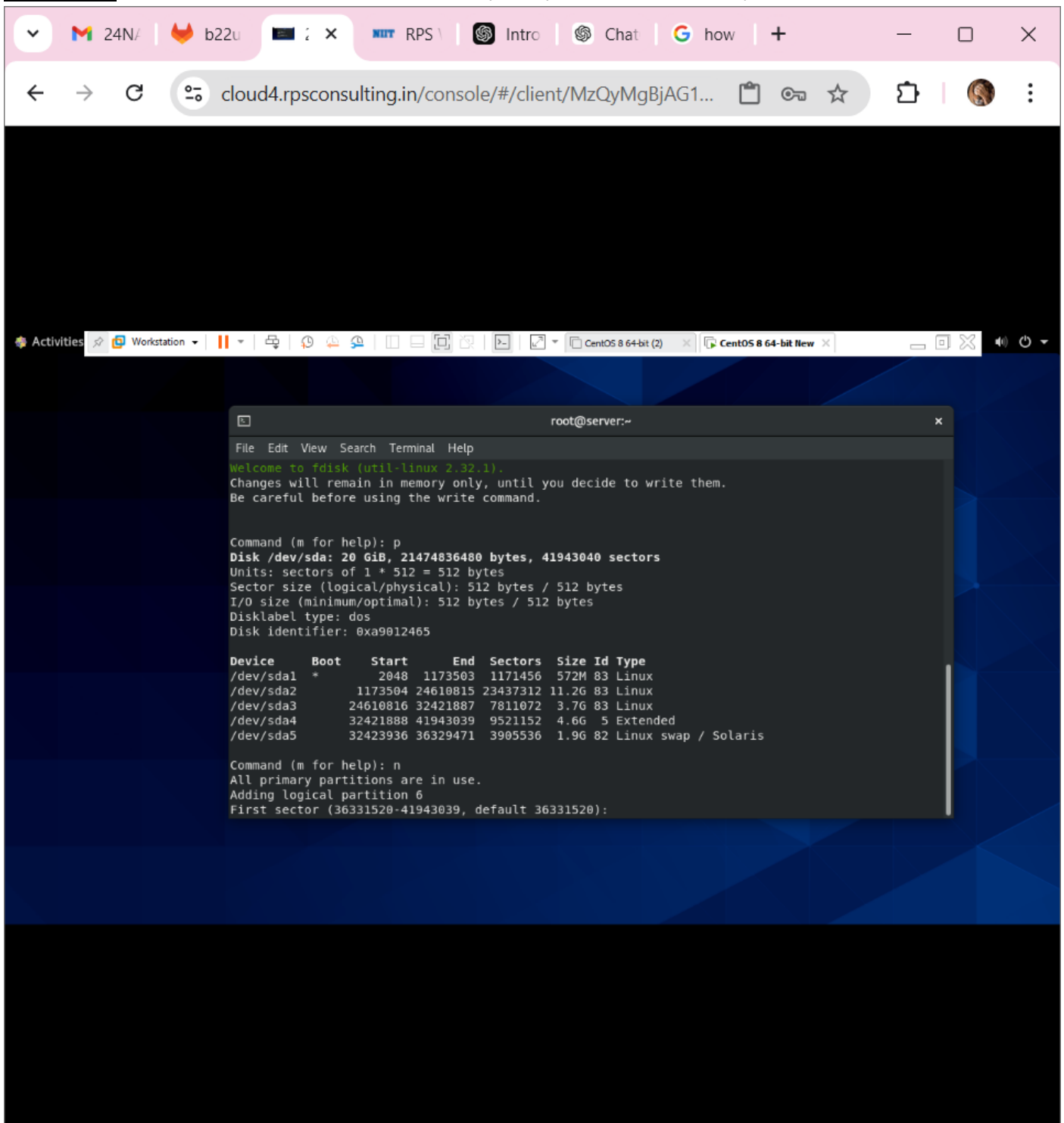
The screenshot shows a web browser window with a terminal session. The browser's address bar displays the URL `cloud4.rpsconsulting.in/console/#/client/MzQyMgBjAG1...`. The terminal window, titled `root@server:~`, shows the following commands and output:

```
[root@server yum.repos.d]# cd
[root@server ~]# crontab -e
crontab: installing new crontab
[root@server ~]# crontab -e
crontab: installing new crontab
[root@server ~]# fdisk /dev/sda

Welcome to fdisk (util-linux 2.32.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): p
```

STEP -1: GIVE THE COMMAND AS `FDISK /DEV/SDA` AND ENTER,

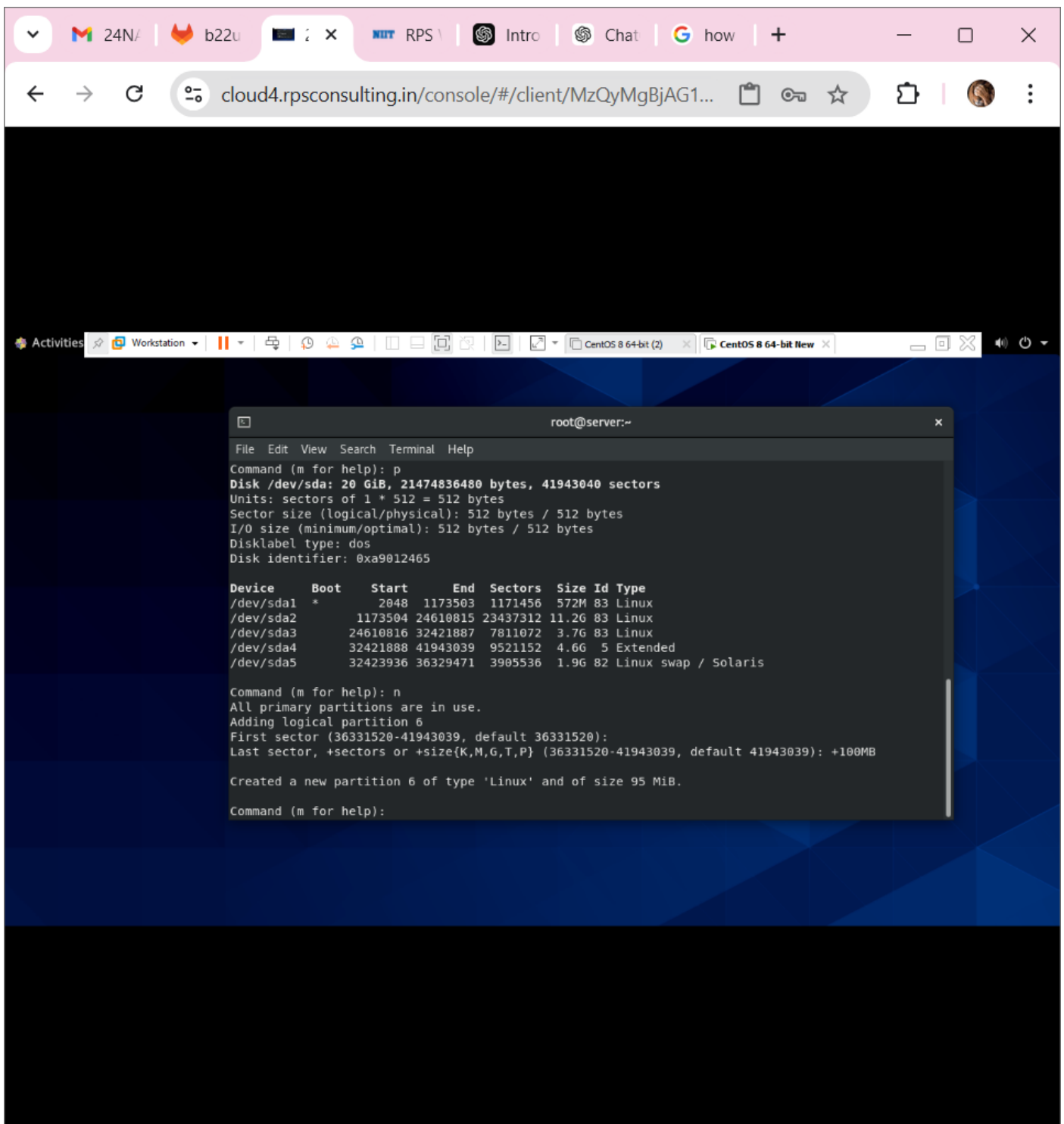


STEP -2: NOW, GIVE THE LETTER "P", TO PRINT THE PARTITION TABLE,

TO CREATE NEW PARTITION, WE HAVE TO USE "N" AND SELECT THE PARTITION TYPE AS LOGICAL OR PRIMARY.

BY DEFAULT IT TAKES THE NEXT PARTITION NUMBER.

CLICK ENTER FOR THE FIRST SECTOR AND CLICK THE SIZE AS +100MB IN THE

LAST SECTOR.

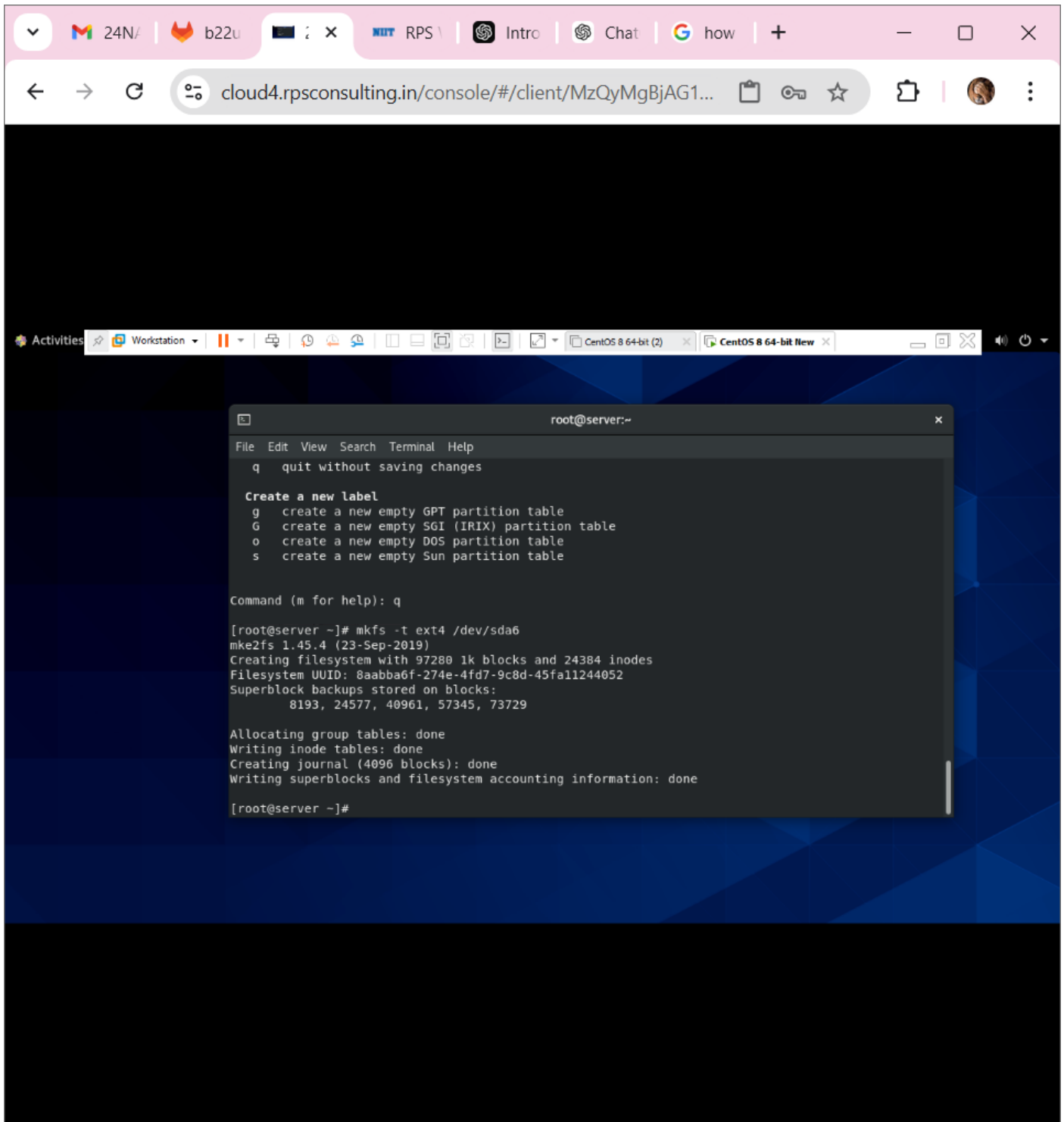
STEP -3: NOW, CLICK Q TO QUIT.

GIVE THE COMMAND AS `mkfs -t ext4 /dev/sda6` AND CLICK ENTER.

NOW WE HAVE TO CREATE DIRECTORY,

WE USE `mkdir /test`,

MOUNT `/dev/sda6 /test` – IT IS TO MOUNT THE FILE/DIRECTORY.

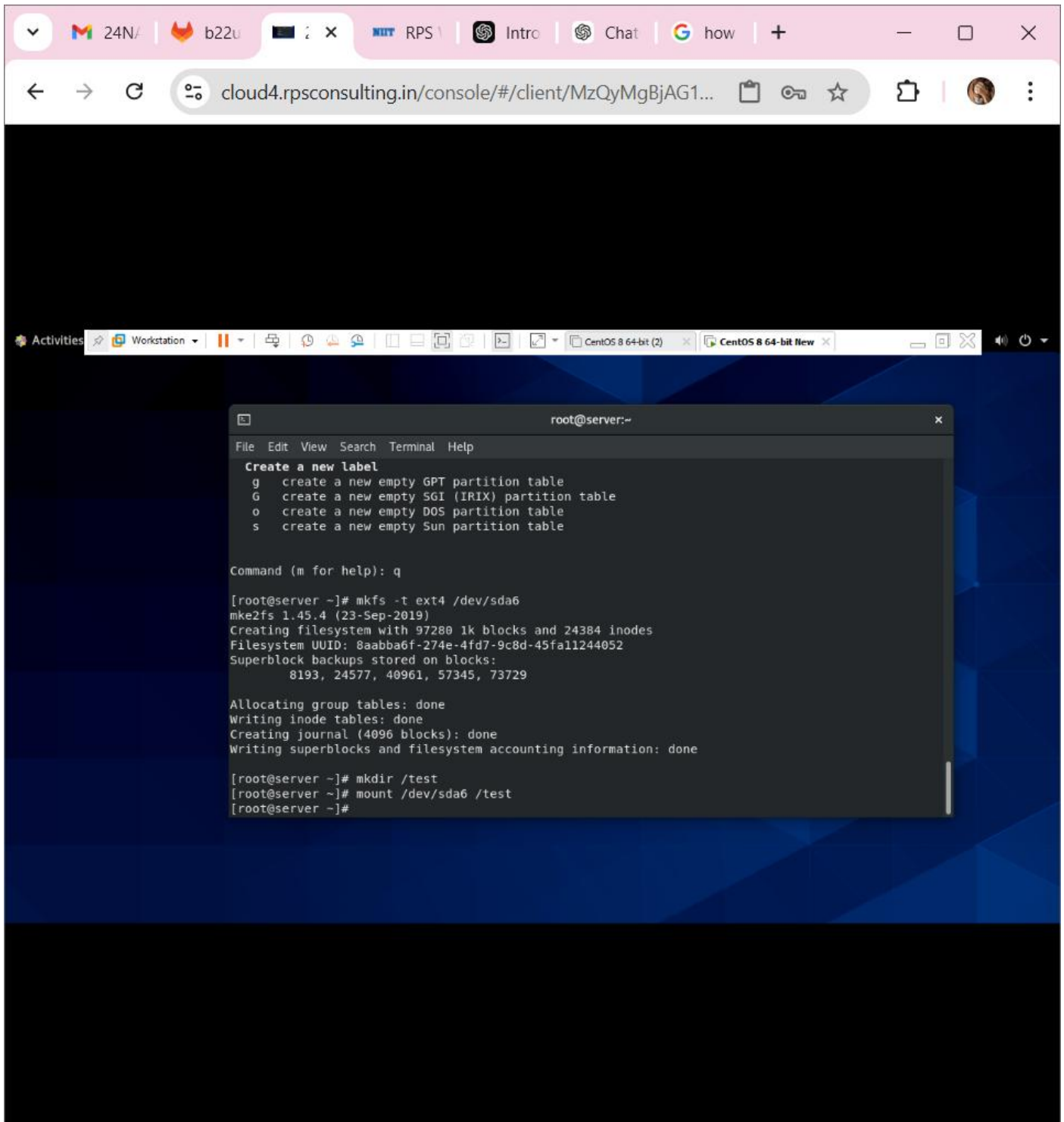


STEP -4: NOW WE USE `CD /TEST`, THEN TO CREATE A FILE WE USE `TOUCH` COMMAND.

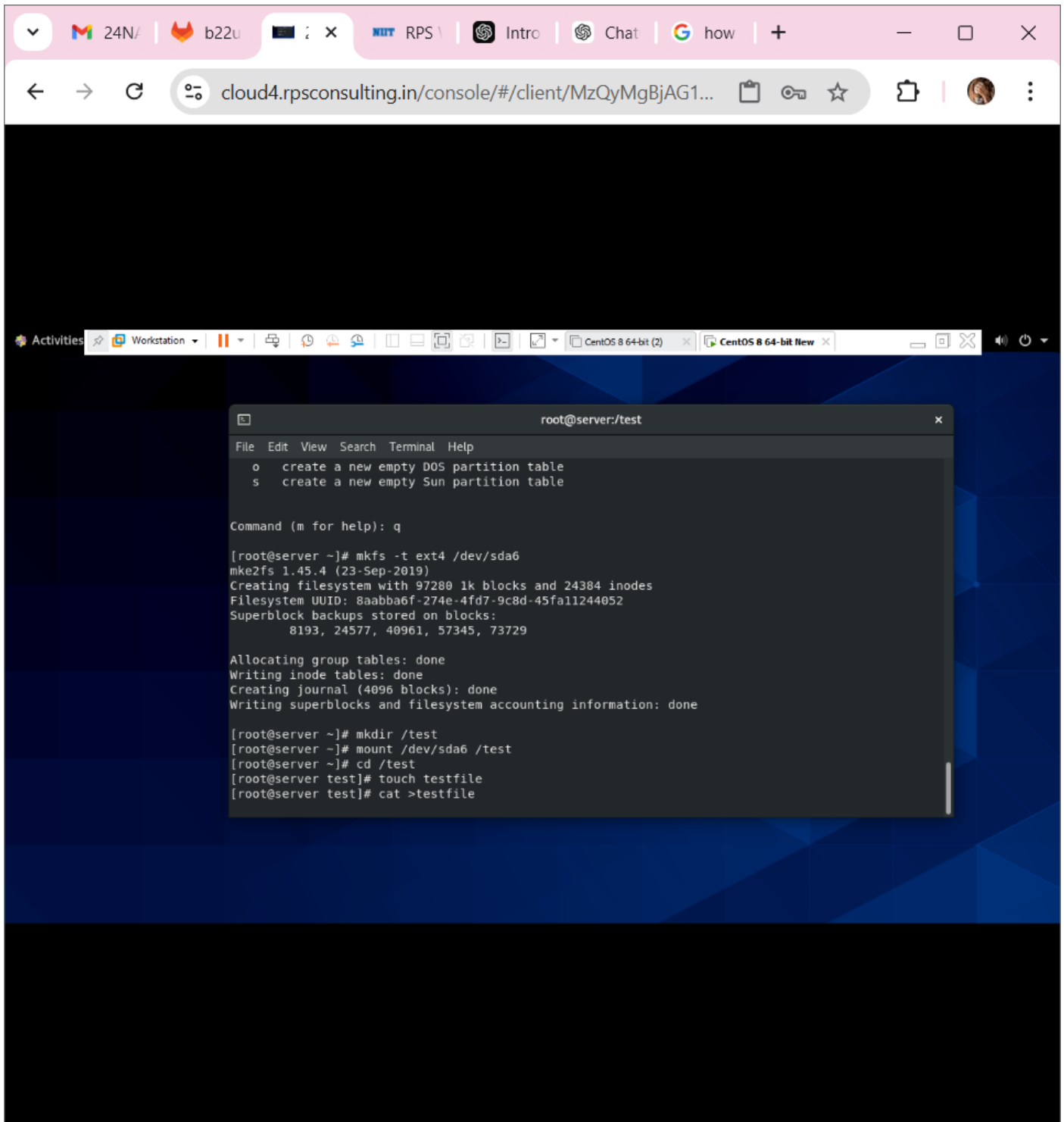
NOW, WE SHOULD ENTER THE DATA IN TEXT FORMAT AS

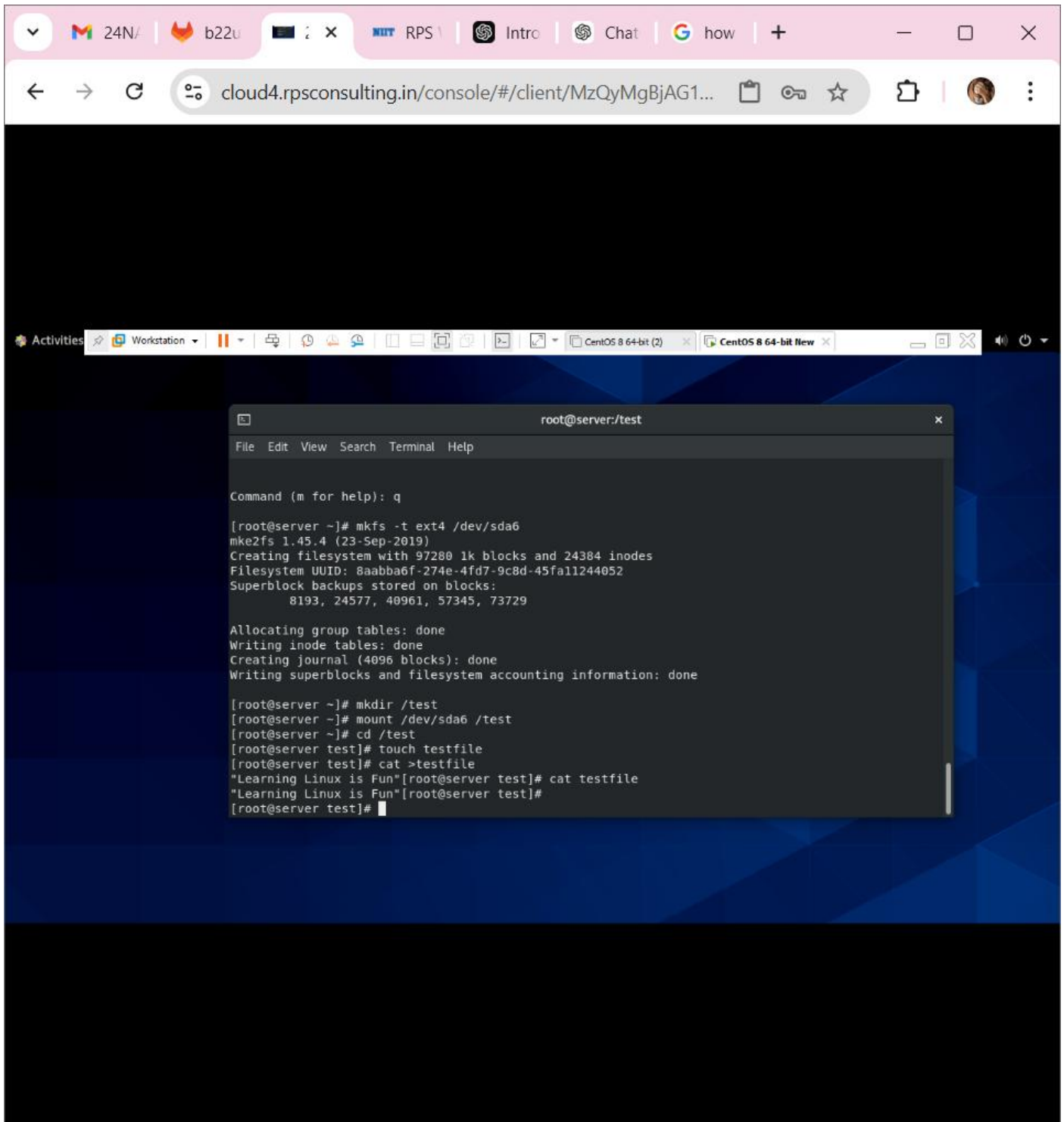
“LEARNING LINUX IS FUN”, BY USING THE `CAT > TESTFILE`.

WIPRO ASSIGNMENT - 17



WIPRO ASSIGNMENT - 17

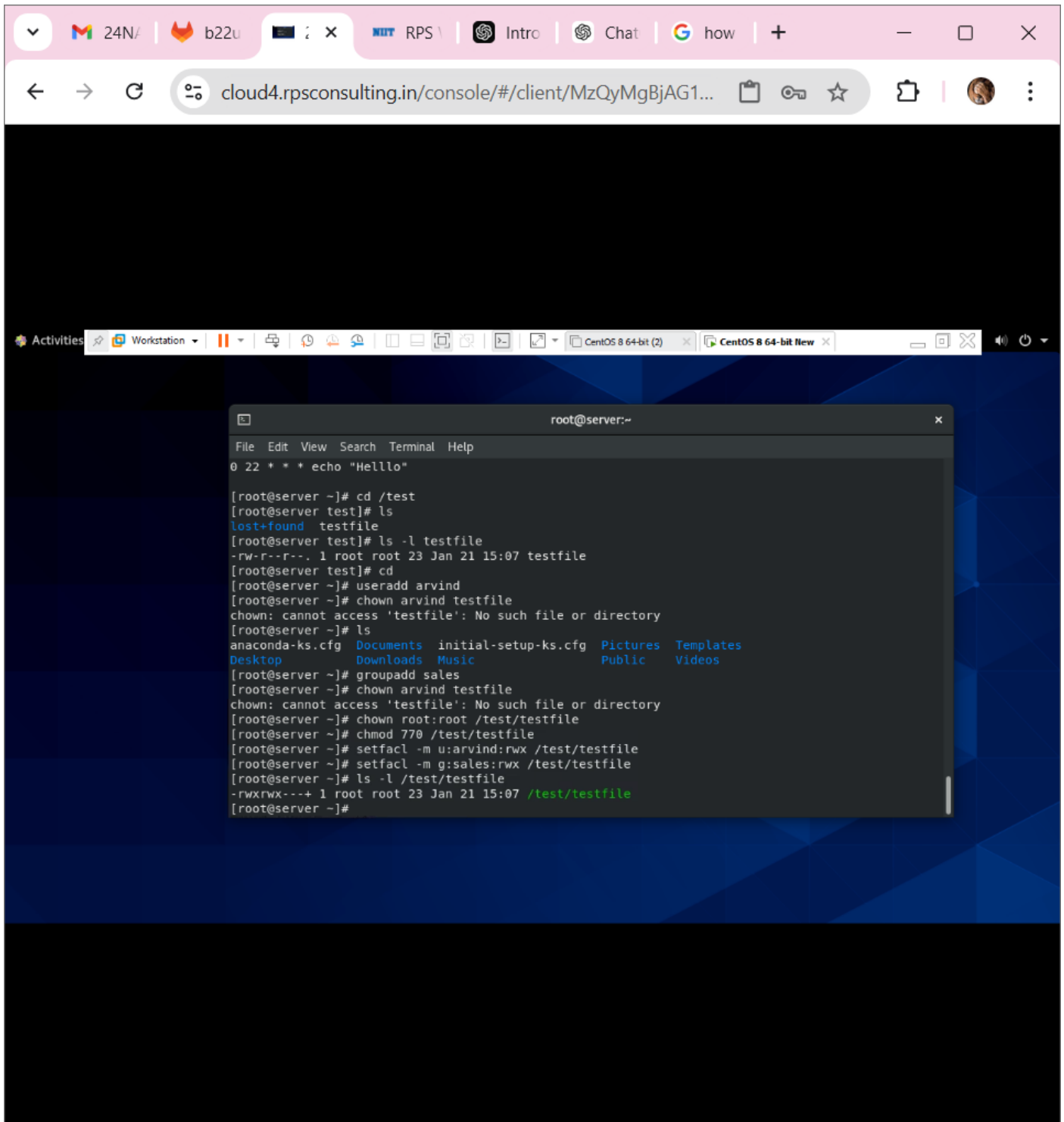




STEP – 5: WE HAVE TO ADD THE USERS AND GROUP THEN WE NEED TO CHANGE THE PERMISSIONS.

KINDLY, FOLLOW THE BELOW COMMANDS IN THE PICTURE.

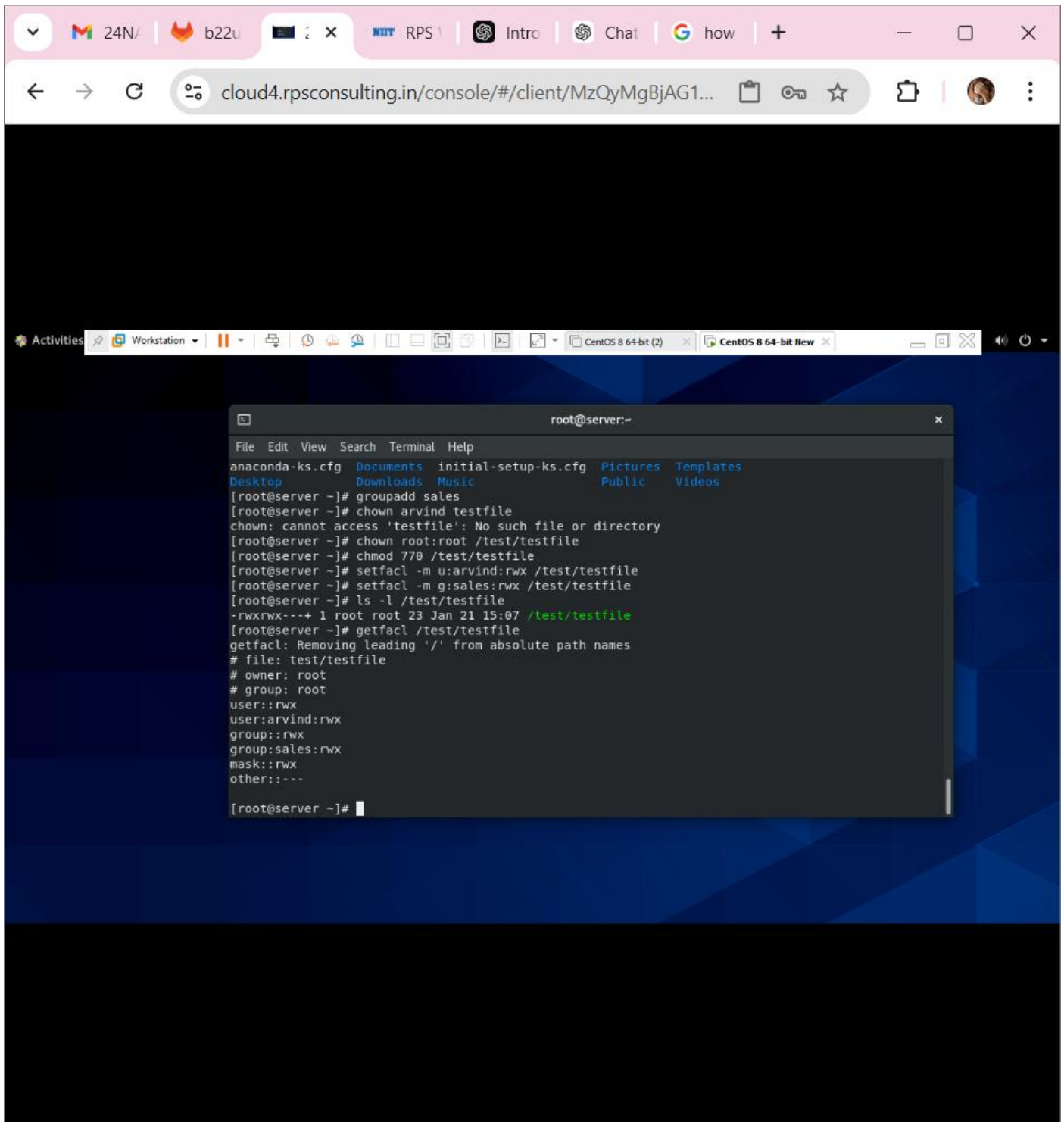
WIPRO ASSIGNMENT - 17



The screenshot shows a web browser window with the address bar displaying `cloud4.rpsconsulting.in/console/#/client/MzQyMgBjAG1...`. Below the browser, a terminal window titled `root@server:~` is open, showing a series of Linux commands and their outputs. The terminal output includes file creation, permission setting, and user/group management.

```
root@server:~  
File Edit View Search Terminal Help  
0 22 * * * echo "Hello"  
  
[root@server ~]# cd /test  
[root@server test]# ls  
lost+found testfile  
[root@server test]# ls -l testfile  
-rw-r--r--. 1 root root 23 Jan 21 15:07 testfile  
[root@server test]# cd  
[root@server ~]# useradd arvind  
[root@server ~]# chown arvind testfile  
chown: cannot access 'testfile': No such file or directory  
[root@server ~]# ls  
anaconda-ks.cfg Documents initial-setup-ks.cfg Pictures Templates  
Desktop Downloads Music Public Videos  
[root@server ~]# groupadd sales  
[root@server ~]# chown arvind testfile  
chown: cannot access 'testfile': No such file or directory  
[root@server ~]# chown root:root /test/testfile  
[root@server ~]# chmod 770 /test/testfile  
[root@server ~]# setfacl -m u:arvind:rwx /test/testfile  
[root@server ~]# setfacl -m g:sales:rwx /test/testfile  
[root@server ~]# ls -l /test/testfile  
-rwxrwx---+ 1 root root 23 Jan 21 15:07 /test/testfile  
[root@server ~]#
```


WIPRO ASSIGNMENT - 17



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