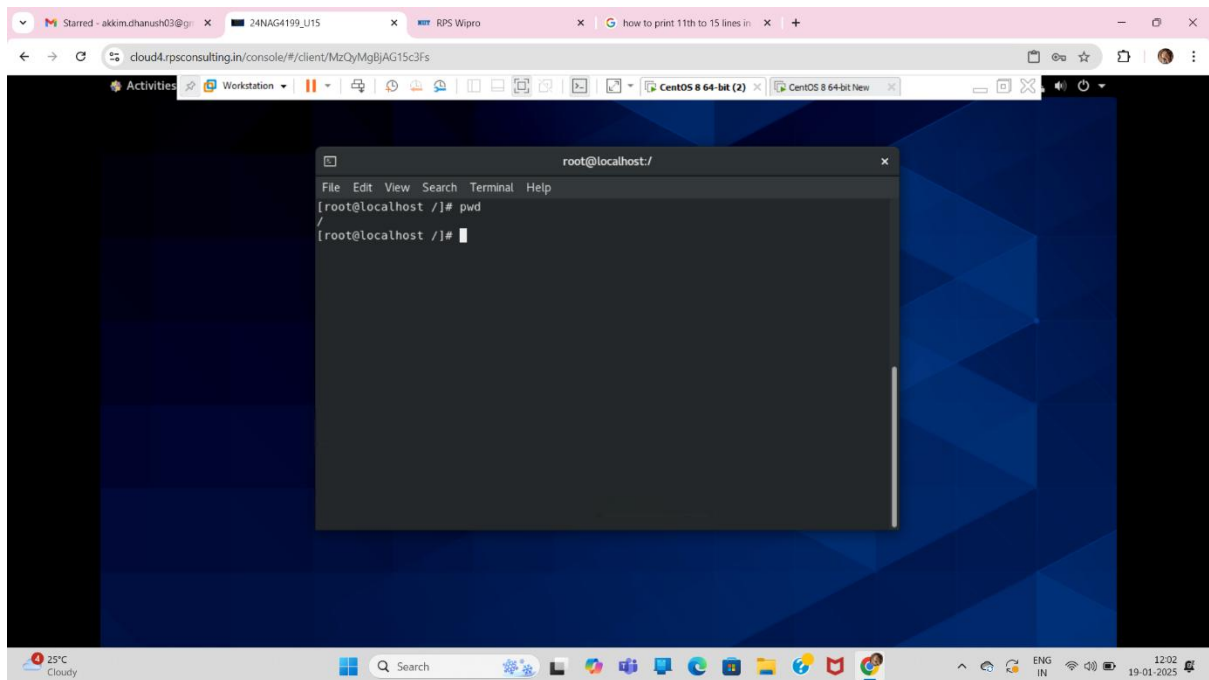


LINUX ASSIGNMENT

Q. HOW TO PRINT THE 2ND LAST LINE OF /ETC/PASSWD ?

ANSWER:

STEP -1: LET US CHECK OUR PRESENT WORKING DIRECTORY BY USING THE COMMAND “PWD”.



STEP -2: NOW LET US CHECK THE NUMBER OF LINES IN THE /ETC/PASSWD BY USING THE COMMAND “CAT -N /ETC/PASSWD” .

CAT : IT IS USED TO VIEW THE CONTENT OR DATA IN THE PARTICULAR PATH OR DIRECTORY.

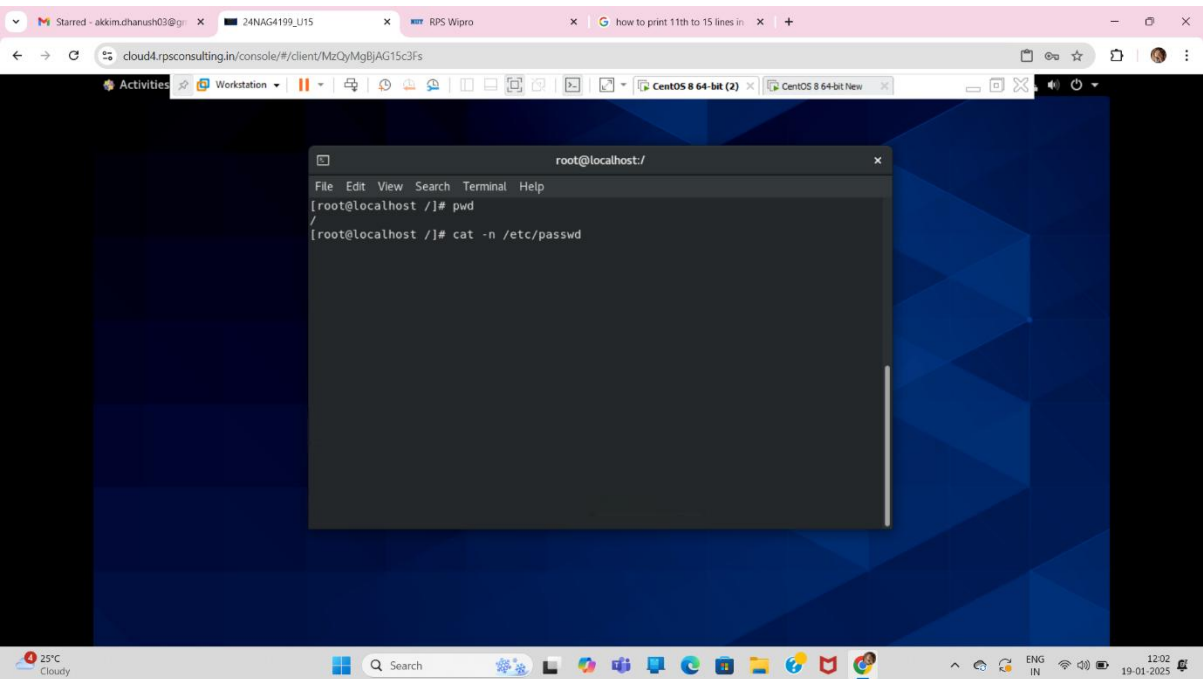
CAT -N : IT IS USED TO DISPLAY THE NUMBER OF LINES.

/ETC : IT IS A DIRECTORY.

/PASSWD : IT IS A SYSTEM FILE WHICH STORES THE INFORMATION ABOUT USER ACCOUNTS.

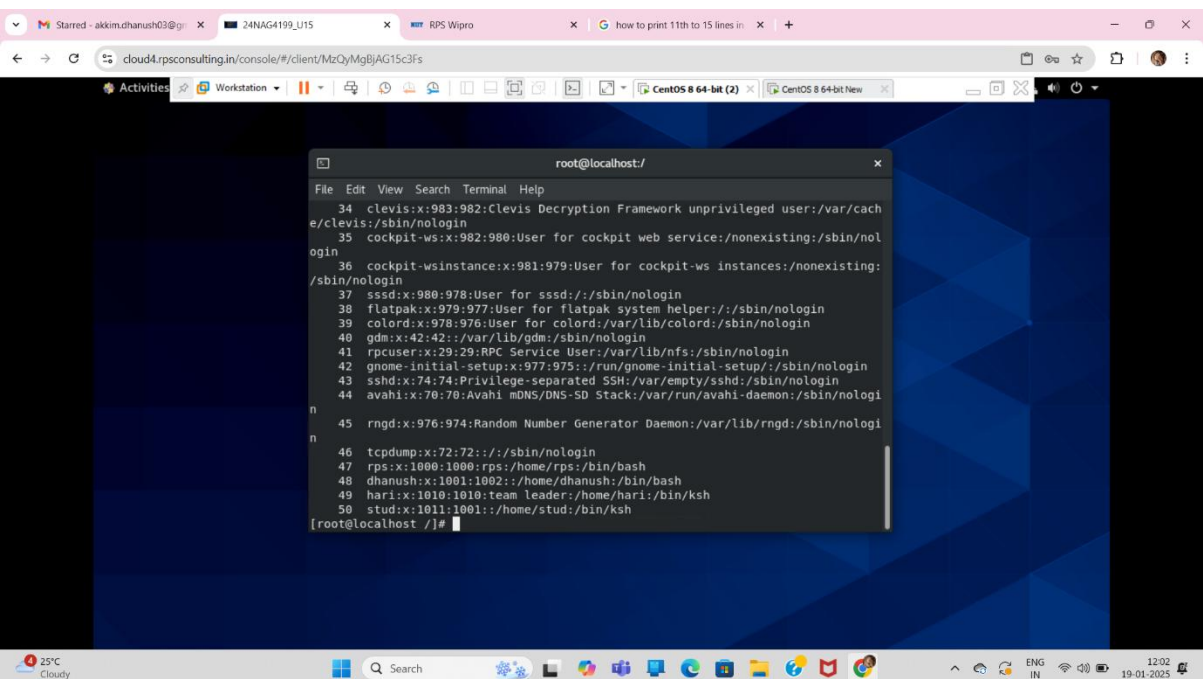
CLICK ENTER TO DISPLAY THE INFORMATION.

WIPRO ASSIGNMENT - 12



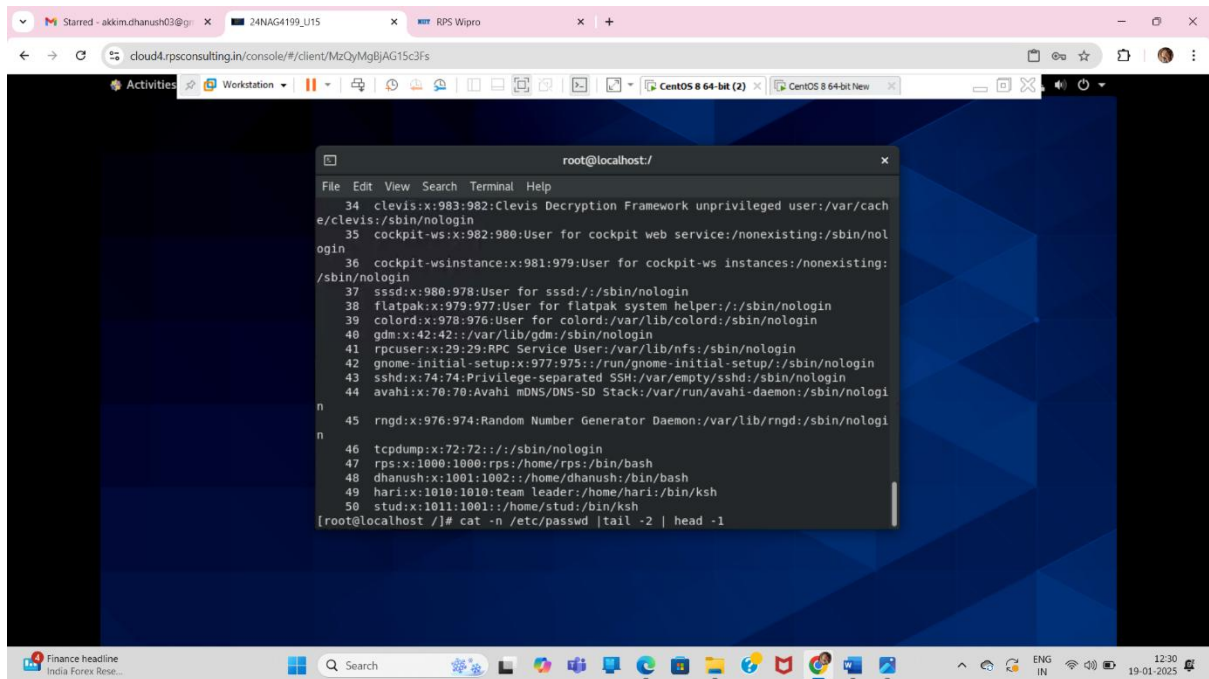
WE CAN SEE THAT THERE ARE 50 NUMBER OF LINES ARE STORED IN THE /ETC/PASSWD.

NOW, OUR AIM IS TO PRINT THE 2ND LAST LINE.



STEP -3: NOW, WE USE HE COMMAND “CAT -N /ETC/PASSWD | TAIL -2 | HEAD -1”

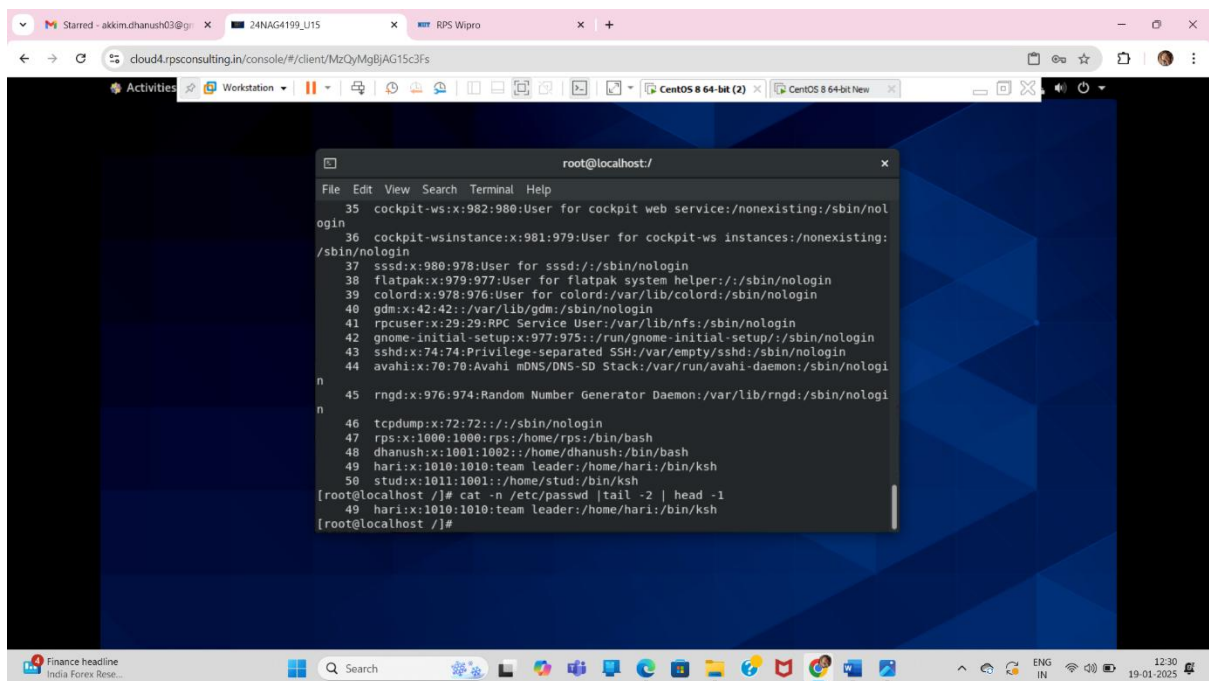
WIPRO ASSIGNMENT - 12



```
root@localhost:/  
File Edit View Search Terminal Help  
34 clevis:x:983:982:Clevis Decryption Framework unprivileged user:/var/cache  
e/clevis:/sbin/nologin  
35 cockpit-ws:x:982:980:User for cockpit web service:/nonexisting:/sbin/nol  
ogin  
36 cockpit-wsinstance:x:981:979:User for cockpit-ws instances:/nonexisting:  
/sbin/nologin  
37 sssd:x:980:978:User for sssd:/sbin/nologin  
38 flatpak:x:979:977:User for flatpak system helper:/sbin/nologin  
39 colord:x:978:976:User for colord:/var/lib/colord:/sbin/nologin  
40 gdm:x:42:42::/var/lib/gdm:/sbin/nologin  
41 rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin  
42 gnome-initial-setup:x:977:975::/run/gnome-initial-setup:/sbin/nologin  
43 sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin  
44 avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologi  
n  
45 rngd:x:976:974:Random Number Generator Daemon:/var/lib/rngd:/sbin/nologi  
n  
46 tcpdump:x:72:72::/sbin/nologin  
47 rps:x:1000:1000:rps:/home/rps:/bin/bash  
48 dhanush:x:1001:1002:/home/dhanush:/bin/bash  
49 hari:x:1010:1010:team leader:/home/hari:/bin/ksh  
50 stud:x:1011:1001:/home/stud:/bin/ksh  
[root@localhost /]# cat -n /etc/passwd | tail -2 | head -1  
49 hari:x:1010:1010:team leader:/home/hari:/bin/ksh
```

HEAD -1 : IT IS TO CONSIDER FIRST 1 LINE IN 50 LINES.

TAIL -2: IT IS TO PRINT THE LAST 2 LINES IN 50 LINES.



```
root@localhost:/  
File Edit View Search Terminal Help  
35 cockpit-ws:x:982:980:User for cockpit web service:/nonexisting:/sbin/nol  
ogin  
36 cockpit-wsinstance:x:981:979:User for cockpit-ws instances:/nonexisting:  
/sbin/nologin  
37 sssd:x:980:978:User for sssd:/sbin/nologin  
38 flatpak:x:979:977:User for flatpak system helper:/sbin/nologin  
39 colord:x:978:976:User for colord:/var/lib/colord:/sbin/nologin  
40 gdm:x:42:42::/var/lib/gdm:/sbin/nologin  
41 rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin  
42 gnome-initial-setup:x:977:975::/run/gnome-initial-setup:/sbin/nologin  
43 sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin  
44 avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologi  
n  
45 rngd:x:976:974:Random Number Generator Daemon:/var/lib/rngd:/sbin/nologi  
n  
46 tcpdump:x:72:72::/sbin/nologin  
47 rps:x:1000:1000:rps:/home/rps:/bin/bash  
48 dhanush:x:1001:1002:/home/dhanush:/bin/bash  
49 hari:x:1010:1010:team leader:/home/hari:/bin/ksh  
50 stud:x:1011:1001:/home/stud:/bin/ksh  
[root@localhost /]# cat -n /etc/passwd | tail -2 | head -1  
49 hari:x:1010:1010:team leader:/home/hari:/bin/ksh  
[root@localhost /]#
```

HENCE, WE CAN SEE THAT 2ND LAST LINE IN THE 50 LINES IN /ETC/PASSWD WAS PRINTED.

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