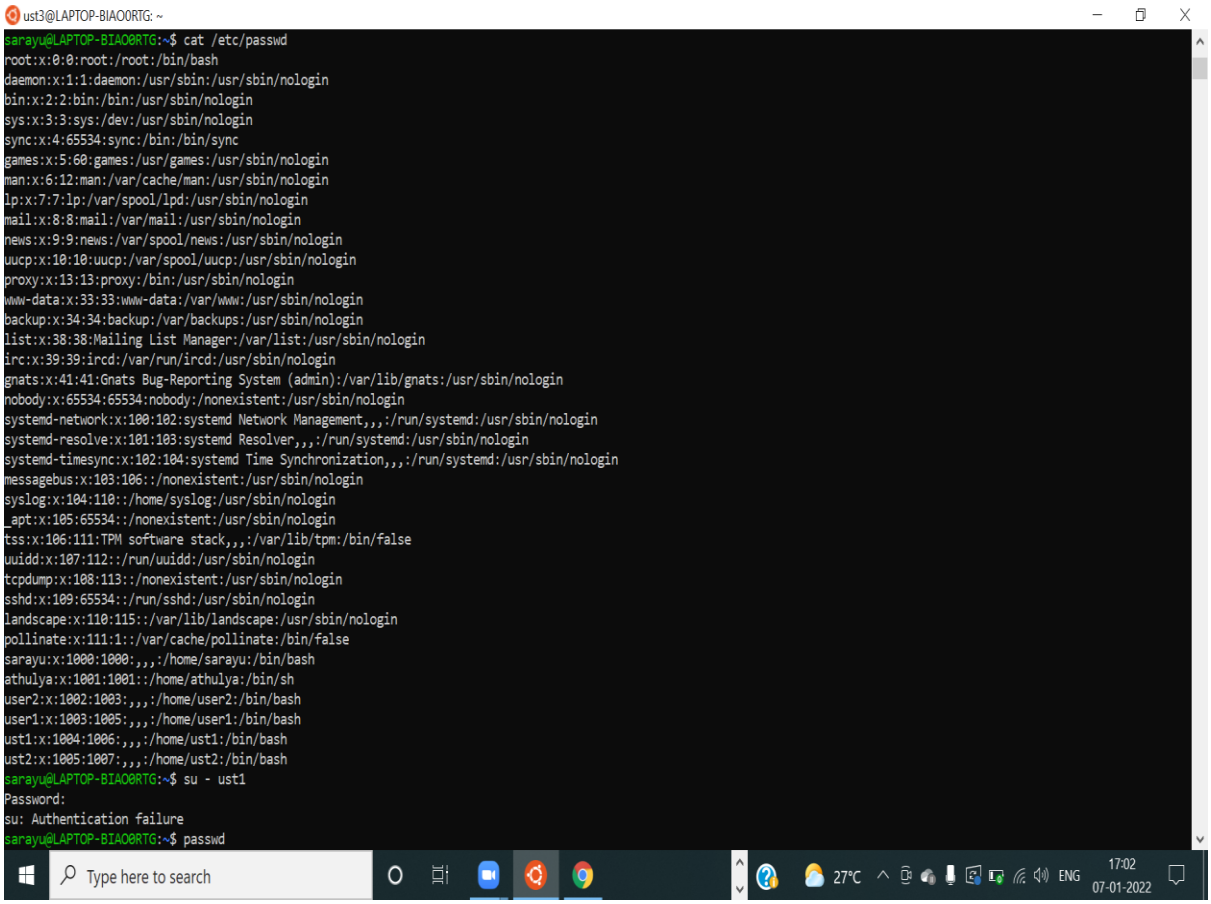
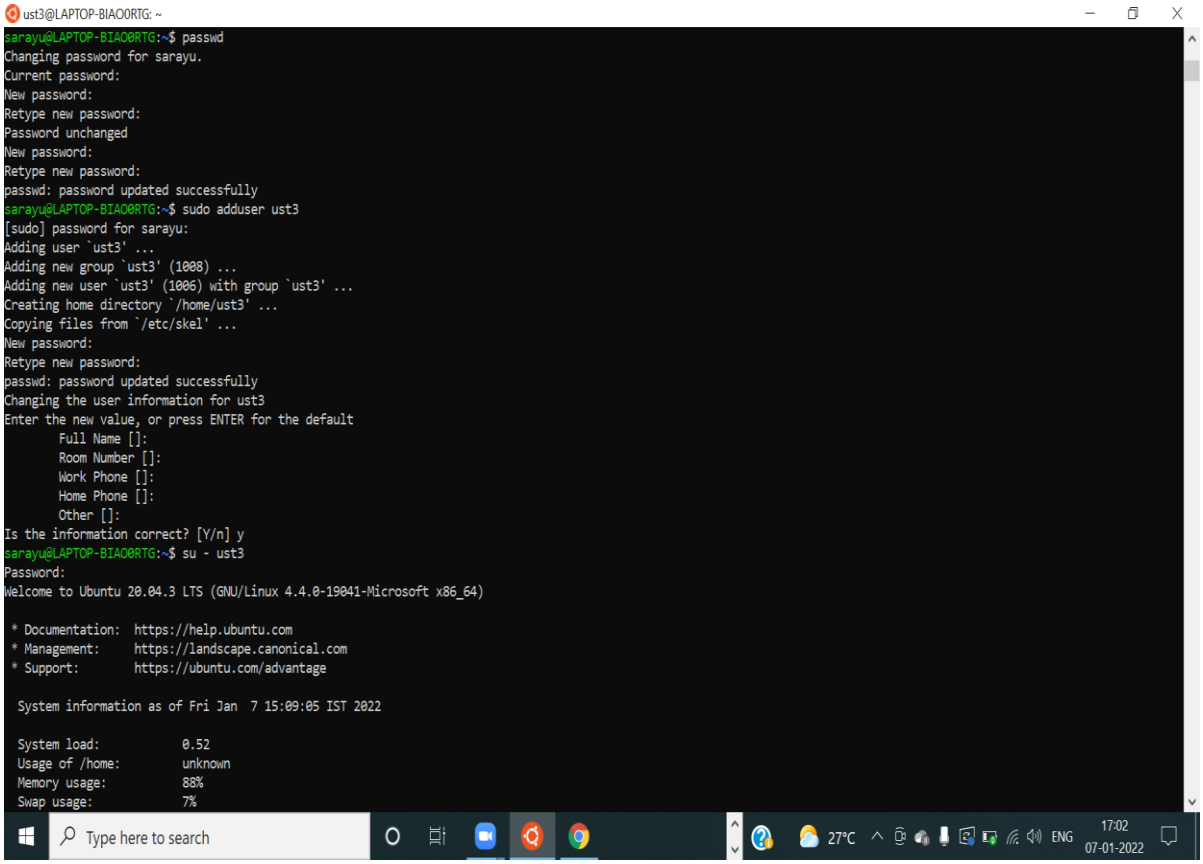
1) sarayu@LAPTOP-BIAO0RTG: ~$ cat /etc/passwd

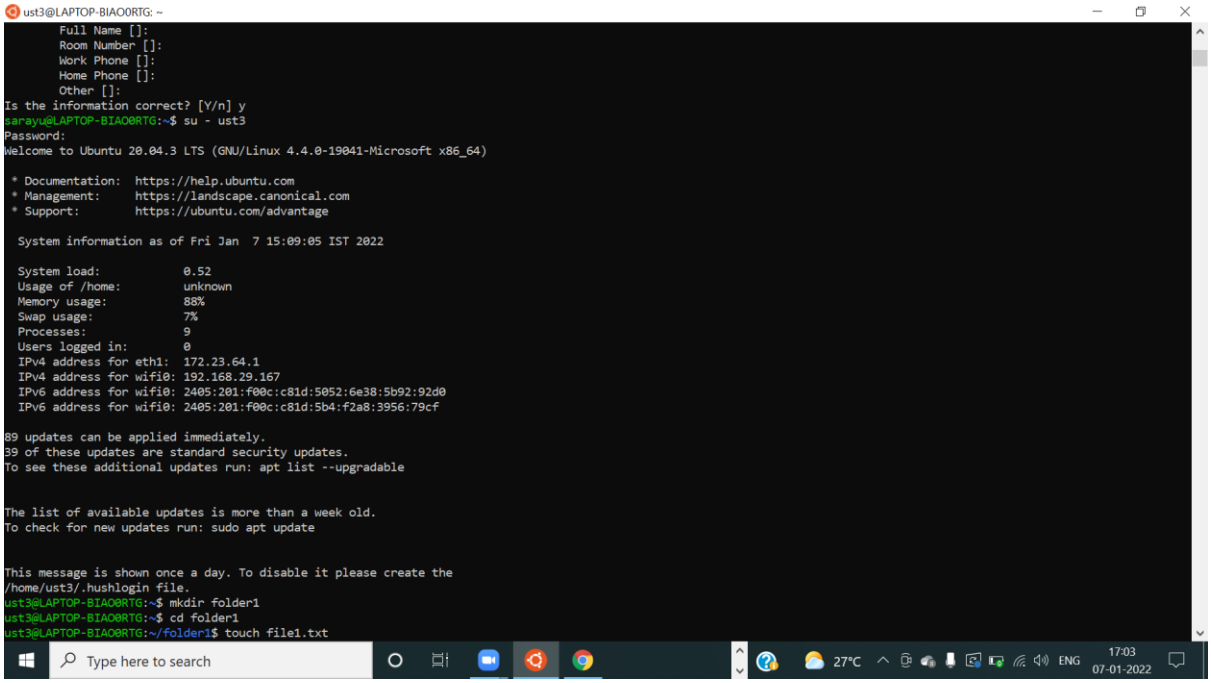


2) sarayu@LAPTOP-BIAO0RTG:~$ passwd
3) sarayu@LAPTOP-BIAO0RTG:~$ sudo adduser ust3
4) sarayu@LAPTOP-BIAO0RTG:~$ su - ust3



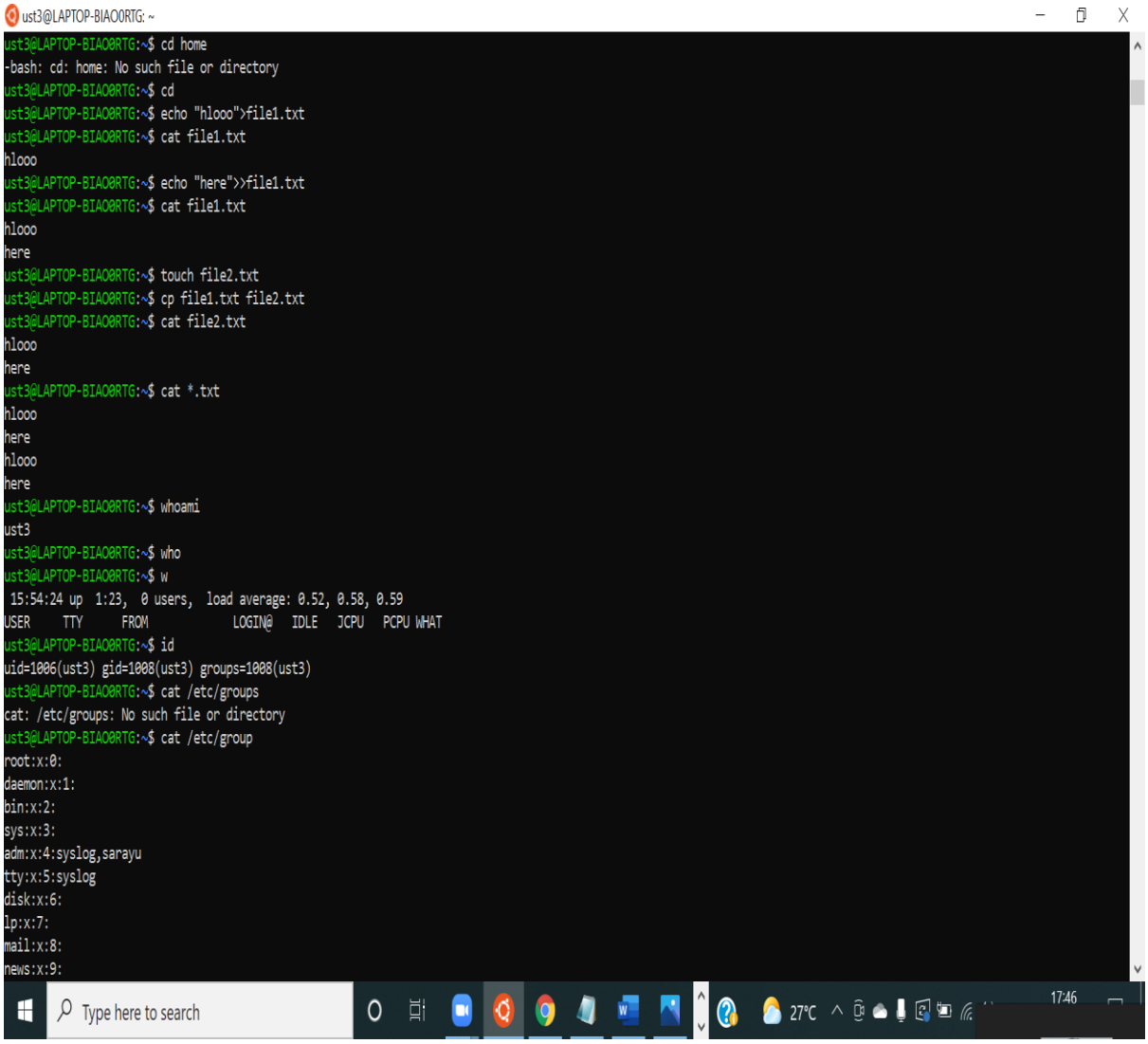
4) ust3@LAPTOP-BIAO0RTG:~$ mkdir folder1

5) ust3@LAPTOP-BIAO0RTG:~$ cd folder1

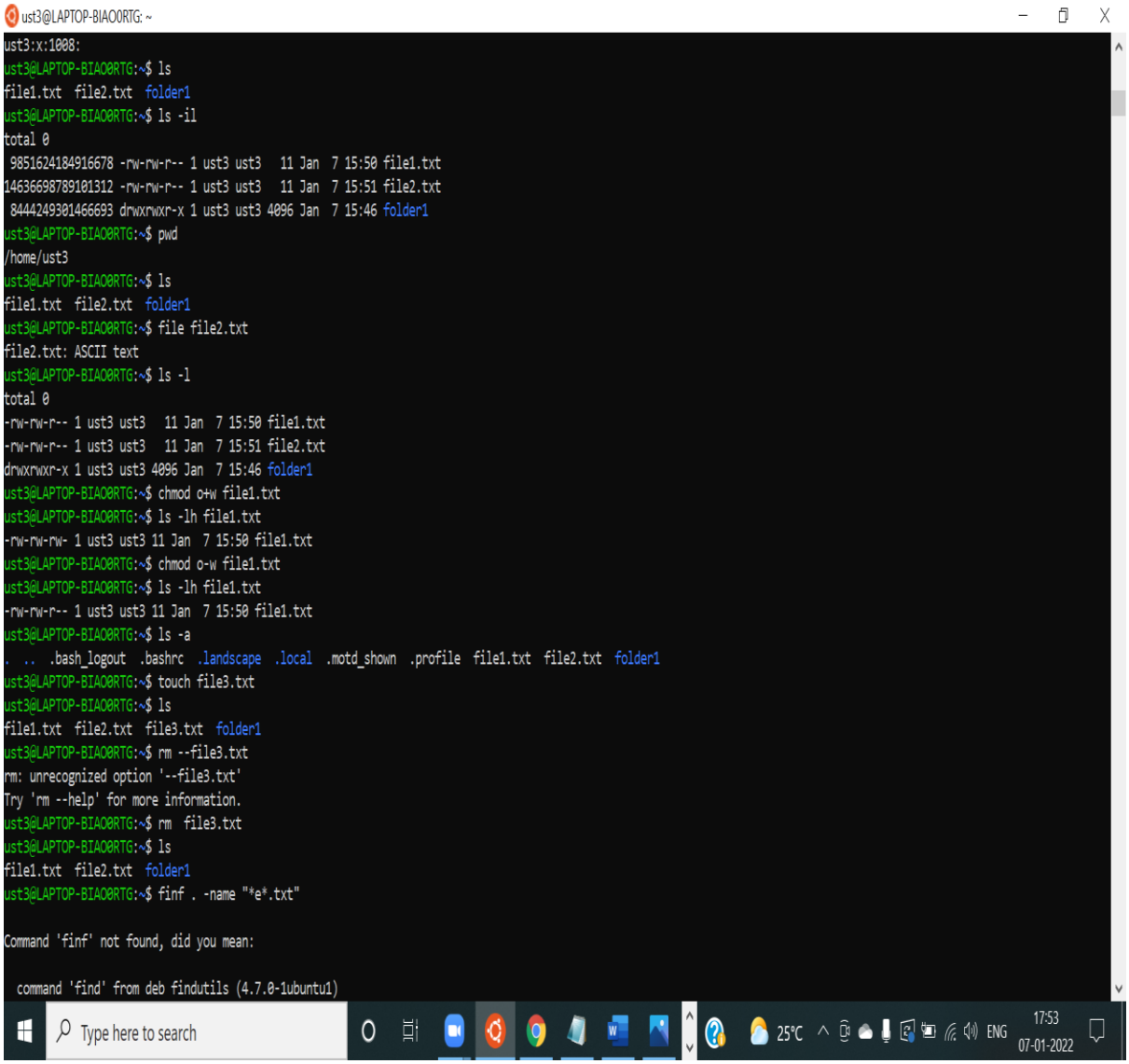


5) ust3@LAPTOP-BIAO0RTG:~$ echo "hlooo">file1.txt
6) ust3@LAPTOP-BIAO0RTG:~$ cat file1.txt
7) ust3@LAPTOP-BIAO0RTG:~$ echo "here">>file1.txt
8) ust3@LAPTOP-BIAO0RTG:~$ cat file1.txt
9) ust3@LAPTOP-BIAO0RTG:~$ touch file2.txt
10) ust3@LAPTOP-BIAO0RTG:~$ cp file1.txt file2.txt
11) ust3@LAPTOP-BIAO0RTG:~$ cat file2.txt
12) ust3@LAPTOP-BIAO0RTG:~$ cat *.txt

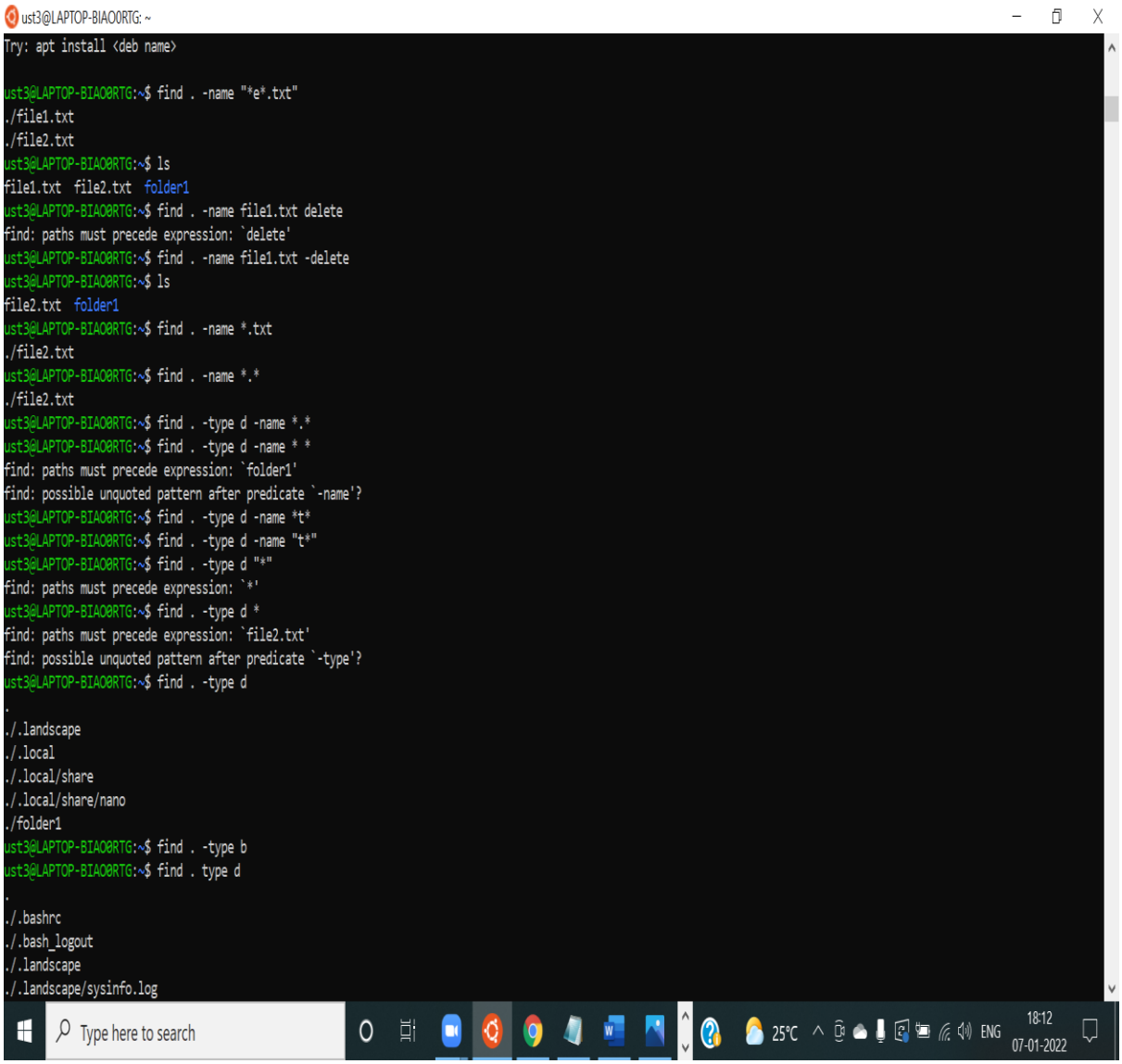
13) ust3@LAPTOP-BIAO0RTG:~$ whoami
14) ust3@LAPTOP-BIAO0RTG:~$ who
15) ust3@LAPTOP-BIAO0RTG:~$ w
16) ust3@LAPTOP-BIAO0RTG:~$ id
17) ust3@LAPTOP-BIAO0RTG:~$ cat /etc/group



18) ust3@LAPTOP-BIAO0RTG:~$ ls
19) ust3@LAPTOP-BIAO0RTG: ~$ ls -il
20) ust3@LAPTOP-BIAO0RTG: ~$ ls -l
21) ust3@LAPTOP-BIAO0RTG:~$ pwd
22) ust3@LAPTOP-BIAO0RTG:~$ file file2.txt
23) ust3@LAPTOP-BIAO0RTG:~$ chmod o+w file1.txt
24) ust3@LAPTOP-BIAO0RTG:~$ ls -lh file1.txt
25) ust3@LAPTOP-BIAO0RTG:~$ chmod o-w file1.txt
26) ust3@LAPTOP-BIAO0RTG:~$ ls -lh file1.txt
27) ust3@LAPTOP-BIAO0RTG:~$ ls -a
28) ust3@LAPTOP-BIAO0RTG:~$ touch file3.txt
29) ust3@LAPTOP-BIAO0RTG:~$ ls
30) ust3@LAPTOP-BIAO0RTG:~$ rm file3.txt

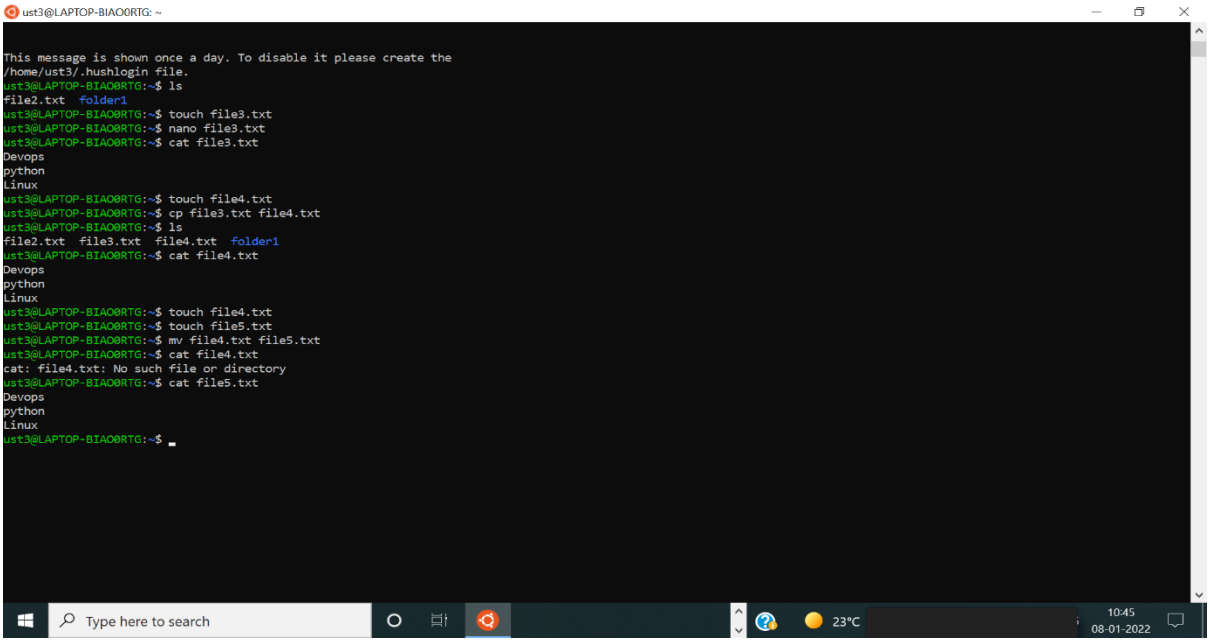


31) ust3@LAPTOP-BIAO0RTG:~$ find . -name "*e*.txt"
32) ust3@LAPTOP-BIAO0RTG:~$ find . -name file1.txt -delete
33) ust3@LAPTOP-BIAO0RTG:~$ ls
34) ust3@LAPTOP-BIAO0RTG:~$ find . -name *.txt
35) ust3@LAPTOP-BIAO0RTG:~$ find . -name *.*
36) ust3@LAPTOP-BIAO0RTG:~$ find . -type d -name *.*
37) ust3@LAPTOP-BIAO0RTG:~$ find . -type d -name *t*
38) ust3@LAPTOP-BIAO0RTG:~$ find . -type d -name "t*"
39) ust3@LAPTOP-BIAO0RTG:~$ find . -type d
40) ust3@LAPTOP-BIAO0RTG:~$ find . -type b

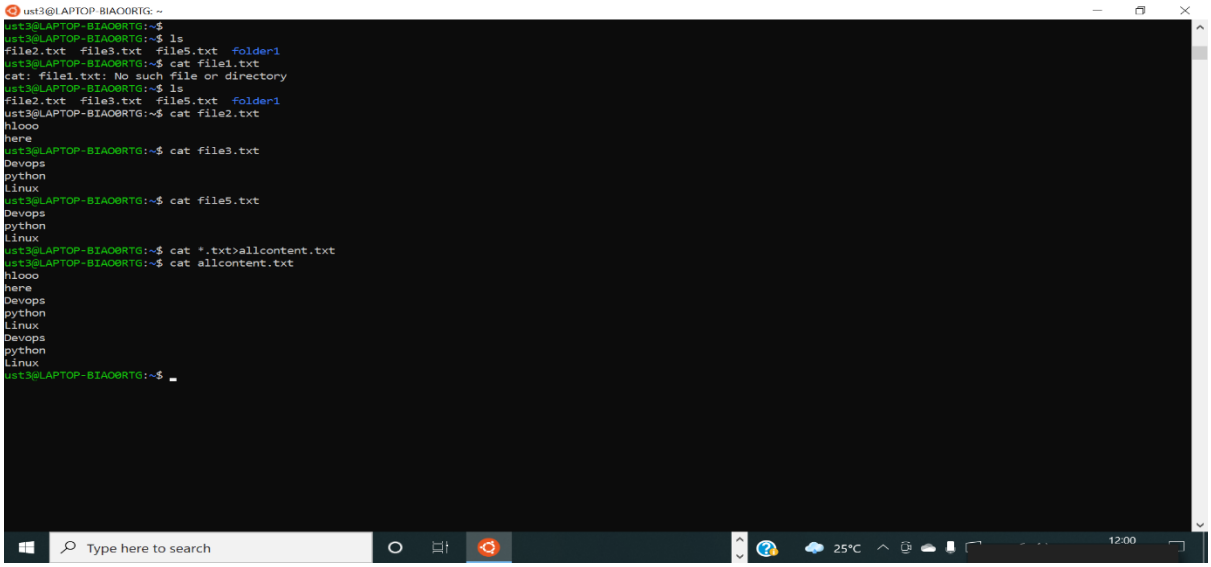


.

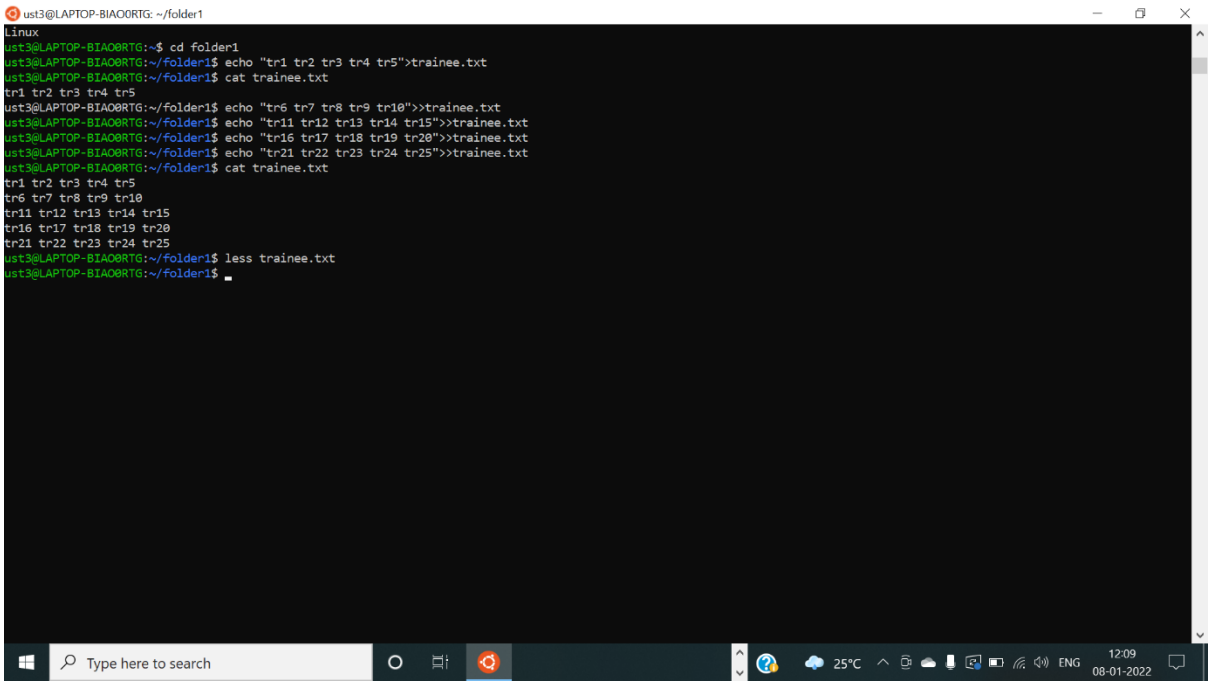
41) ust3@LAPTOP-BIAO0RTG:~$ ls
42) ust3@LAPTOP-BIAO0RTG:~$ touch file3.txt
43) ust3@LAPTOP-BIAO0RTG:~$ nano file3.txt
44) ust3@LAPTOP-BIAO0RTG:~$ cat file3.txt
45) ust3@LAPTOP-BIAO0RTG:~$ touch file4.txt
46) ust3@LAPTOP-BIAO0RTG:~$ cp file3.txt file4.txt
47) ust3@LAPTOP-BIAO0RTG:~$ cat file4.txt
48) ust3@LAPTOP-BIAO0RTG:~$ touch file5.txt
49) ust3@LAPTOP-BIAO0RTG:~$ mv file4.txt file5.txt
50) ust3@LAPTOP-BIAO0RTG:~$ cat file4.txt
51) ust3@LAPTOP-BIAO0RTG:~$ cat file5.txt



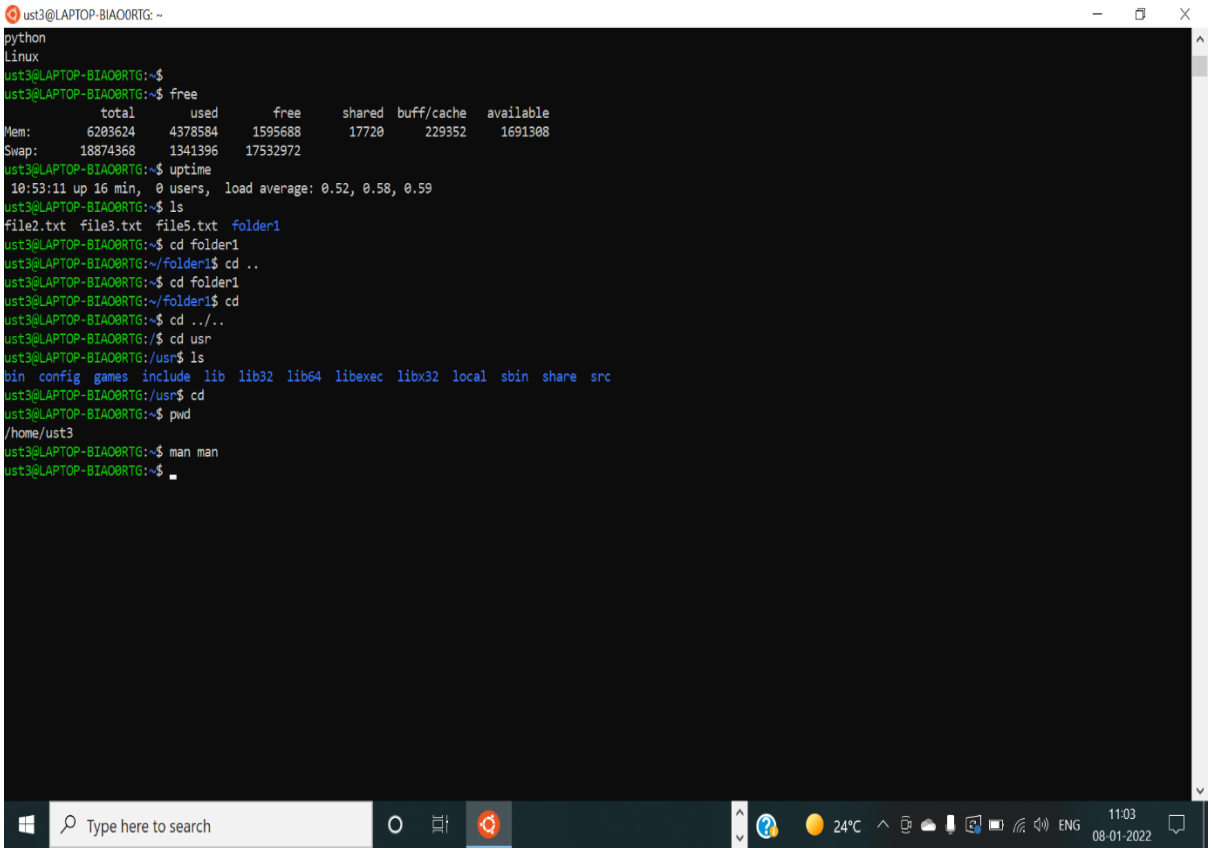
52) ust3@LAPTOP-BIAO0RTG:~$ ls
53) ust3@LAPTOP-BIAO0RTG:~$ cat file2.txt
54) ust3@LAPTOP-BIAO0RTG:~$ cat file3.txt
55) ust3@LAPTOP-BIAO0RTG:~$ cat file5.txt
56) ust3@LAPTOP-BIAO0RTG:~$ cat *.txt>allcontent.txt
57) ust3@LAPTOP-BIAO0RTG:~$ cat allcontent.txt



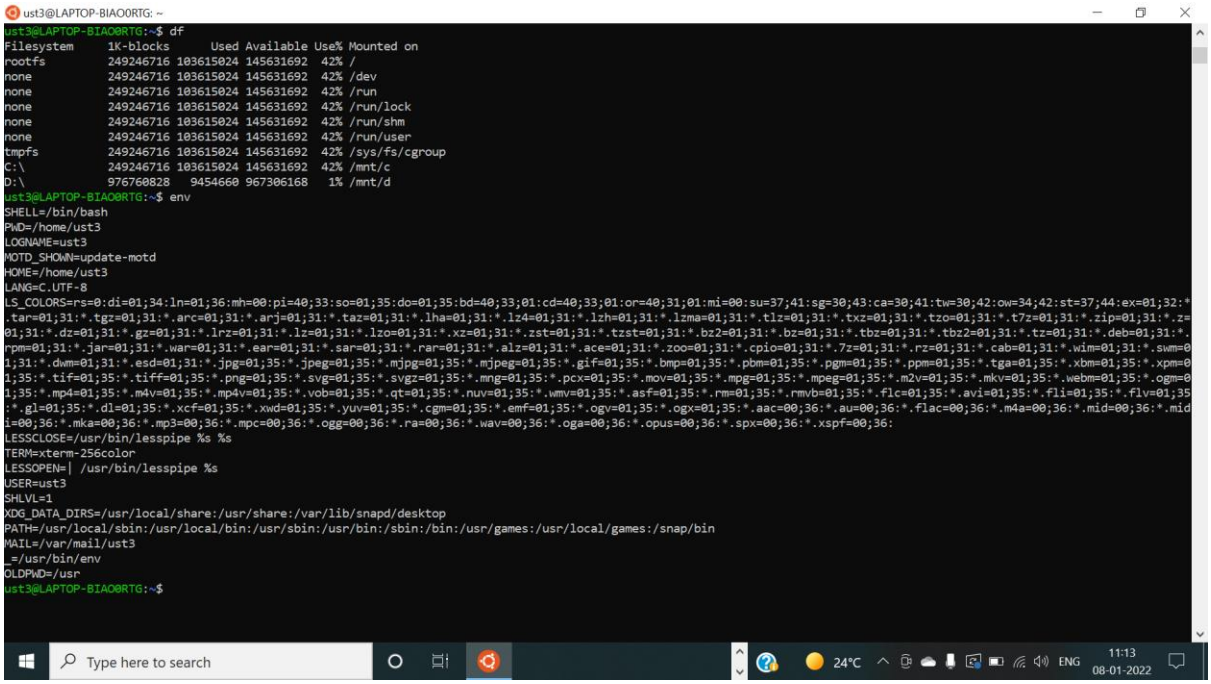
58) ust3@LAPTOP-BIAO0RTG:~$ cd folder1
59) ust3@LAPTOP-BIAO0RTG:~/folder1$ echo "tr1 tr2 tr3 tr4 tr5">trainee.txt
60) ust3@LAPTOP-BIAO0RTG:~/folder1$ cat trainee.txt
61) ust3@LAPTOP-BIAO0RTG:~/folder1$ echo "tr6 tr7 tr8 tr9 tr10">>trainee.txt
62) ust3@LAPTOP-BIAO0RTG:~/folder1$ echo "tr11 tr12 tr13 tr14 tr15">>trainee.txt
63) ust3@LAPTOP-BIAO0RTG:~/folder1$ echo "tr16 tr17 tr18 tr19 tr20">>trainee.txt
64) ust3@LAPTOP-BIAO0RTG:~/folder1$ echo "tr21 tr22 tr23 tr24 tr25">>trainee.txt
65) ust3@LAPTOP-BIAO0RTG:~/folder1$ cat trainee.txt
66) ust3@LAPTOP-BIAO0RTG:~/folder1$ less trainee.txt



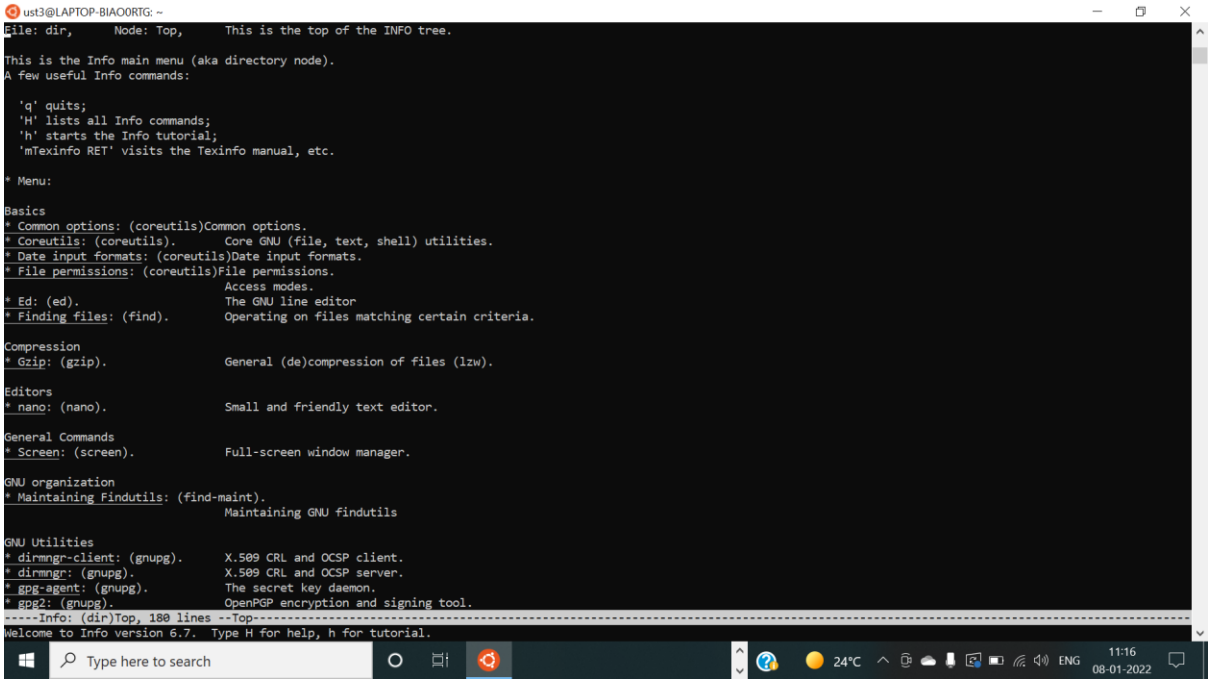
67) ust3@LAPTOP-BIAO0RTG:~$ free
68) ust3@LAPTOP-BIAO0RTG:~$ uptime
69) ust3@LAPTOP-BIAO0RTG:~$ ls
70) ust3@LAPTOP-BIAO0RTG:~$ cd folder1
71) ust3@LAPTOP-BIAO0RTG:~/folder1$ cd ..
72) ust3@LAPTOP-BIAO0RTG:~$ cd folder1
73) ust3@LAPTOP-BIAO0RTG:~/folder1$ cd
74) ust3@LAPTOP-BIAO0RTG:~$ cd ../..
75) ust3@LAPTOP-BIAO0RTG:/$ cd usr
76) ust3@LAPTOP-BIAO0RTG:/usr$ ls
77) ust3@LAPTOP-BIAO0RTG:/usr$ cd
78) ust3@LAPTOP-BIAO0RTG:~$ pwd
79) ust3@LAPTOP-BIAO0RTG:~$ man man



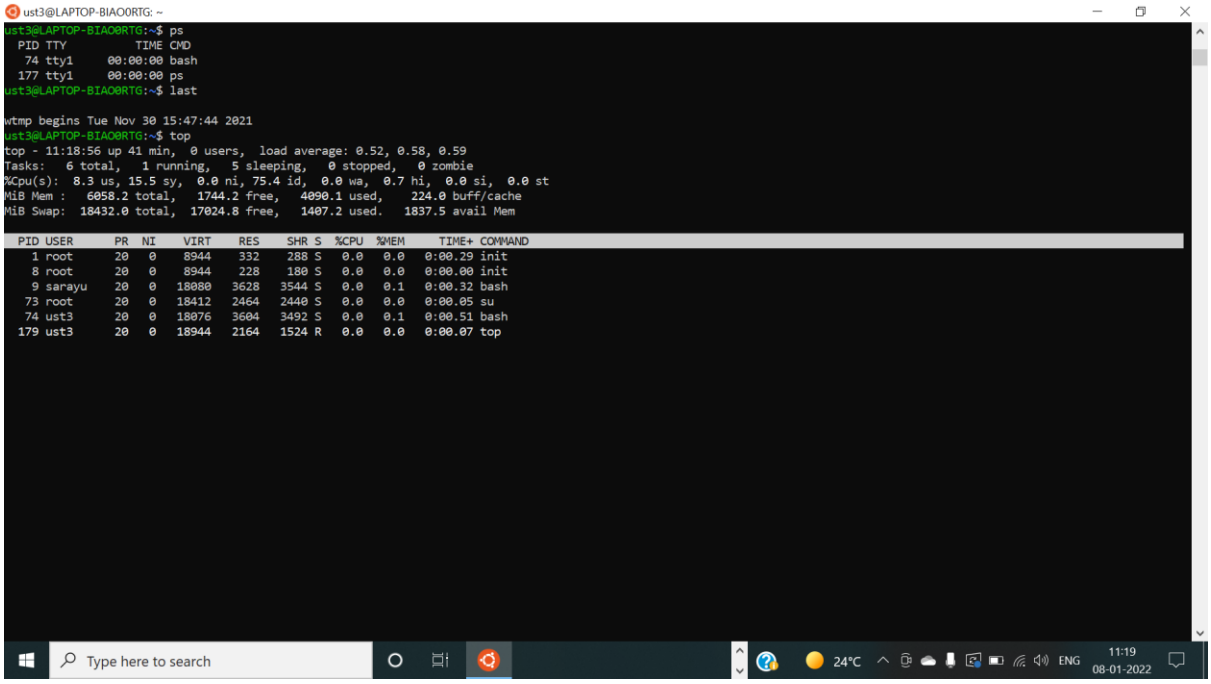
80) ust3@LAPTOP-BIAO0RTG:~$ df
81) ust3@LAPTOP-BIAO0RTG:~$ env



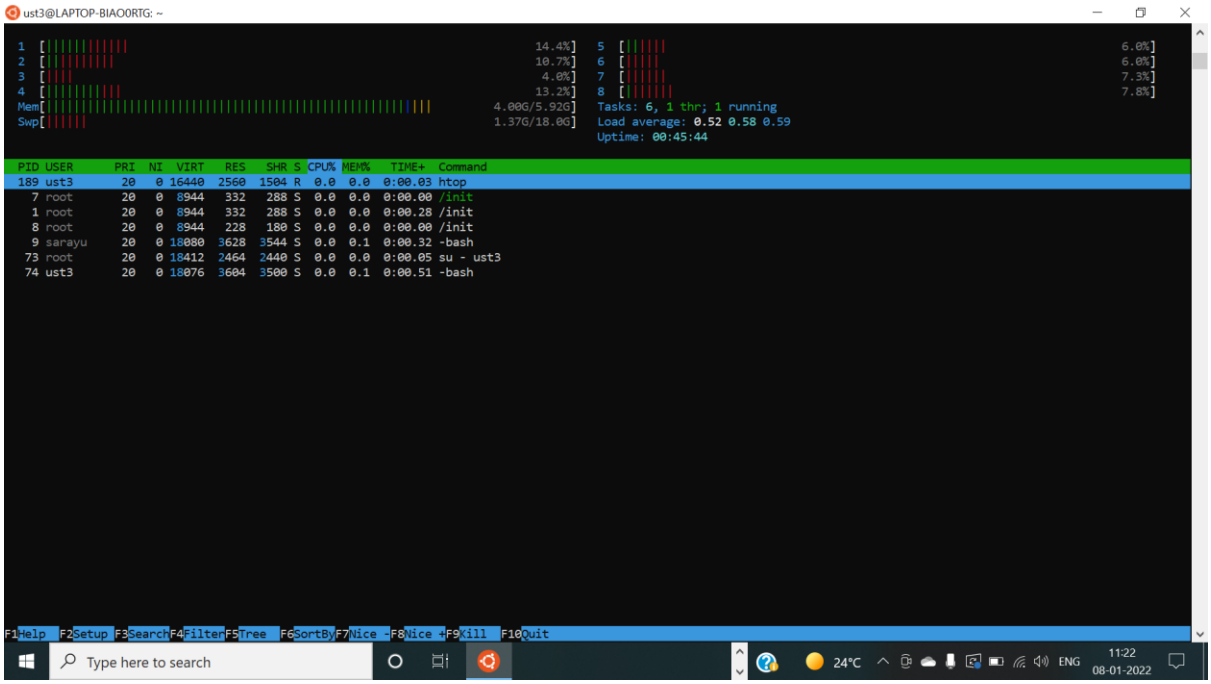
82) ust3@LAPTOP-BIAO0RTG:~$ info



83) ust3@LAPTOP-BIAO0RTG:~$ ps
84) ust3@LAPTOP-BIAO0RTG:~$ last
85) ust3@LAPTOP-BIAO0RTG:~$ top



86) ust3@LAPTOP-BIAO0RTG:~$ htop



Python

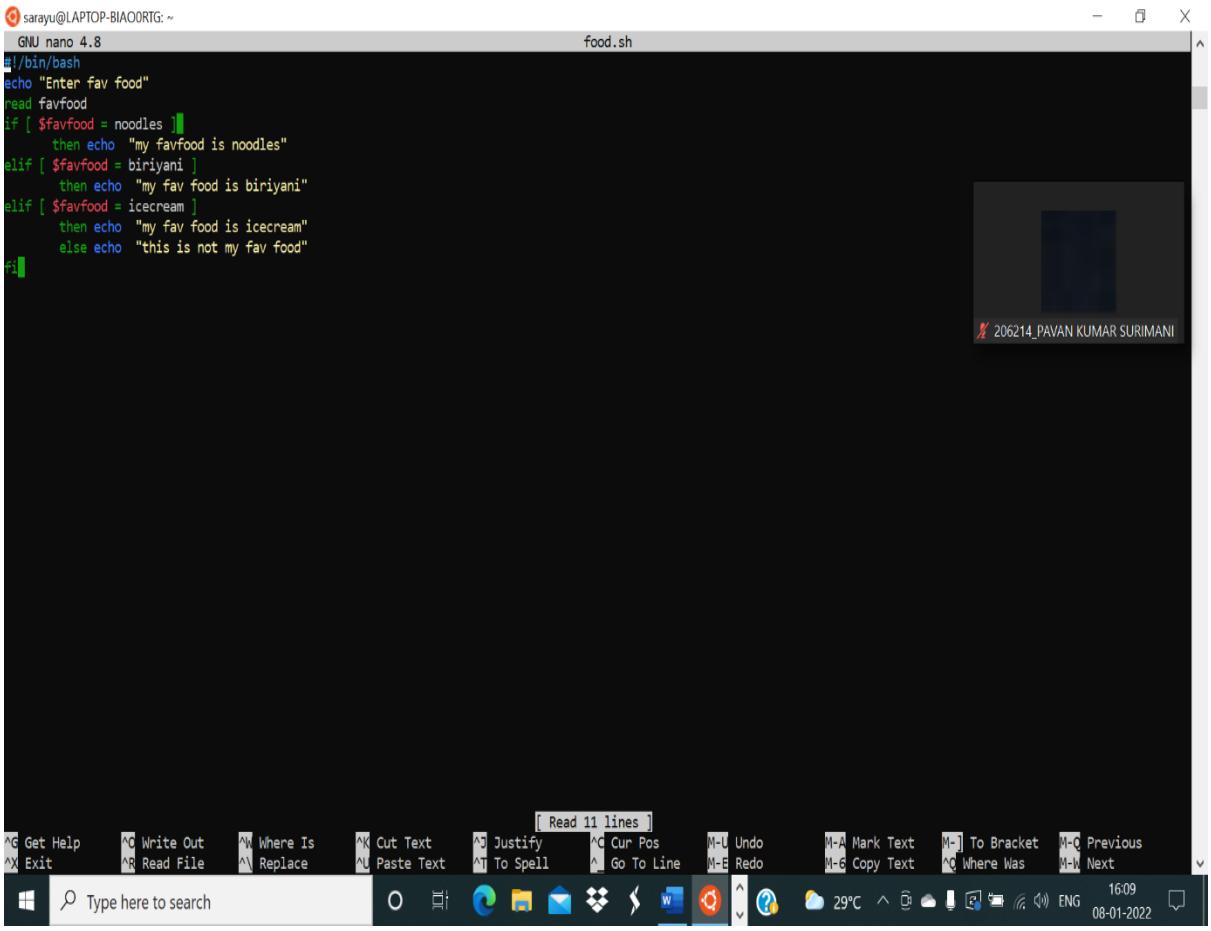
```
ust3@LAPTOP-BIAO0RTG:~$ python3
Python 3.8.10 (default, Jun  2 2021, 10:49:15)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> from math import *
>>> a=pi
>>> print(a)
3.141592653589793
>>> print(sqrt(64))
8.0
>>> print(pow(6,4))
1296.0
>>> print(round(89.678))
90
>>> print(floor(990.999))
990
>>> print(ceil(90.0001))
91
>>>
>>> def highestnumber(no,no1):
...     if(no > no1):
...         print(no, 'grearest')
...     else:
...         print(no1, 'greatest')
...
>>> highestnumber(10,99)
99 greatest
>>>

>>> class student:
...       def setstudent(self,id,name,course):
...             self.id=id
...             self.name=name
...             self.course=course
...             print(self.id, " ", self.name," ", self.course):
  File "<stdin>", line 6
    print(self.id, " ", self.name," ", self.course):
                                                   ^
SyntaxError: invalid syntax
>>> class student:
...       def setstudent(self,id,name,course):
```

```
...             self.id=id
...             self.name=name
...             self.course=course
...     def getstudent(self):
...             print(self.id, " ", self.name, " ", self.course):
  File "<stdin>", line 7
    print(self.id, " ", self.name, " ", self.course):
                                      ^
SyntaxError: invalid syntax
>>> class student:
...     def setstudent(self,id,name,course):
...             self.id=id
...             self.name=name
...             self.course=course
...     def getstudent(self):
...             print(self.id, " ", self.name, " ", self.course)
...
>>> std = student()
>>> std.setstudent(123,"athulya","python")
>>> std.getstudent()
123   athulya   python
>>>
>>> def prime(n,m):
...     for i in range(n,m):
...         for j in range(2,i):
...             if((i%j)==0):
...                     break
...         else:
...             print(i)
...
>>> prime(3,17)
3
5
7
11
13
>>>
```

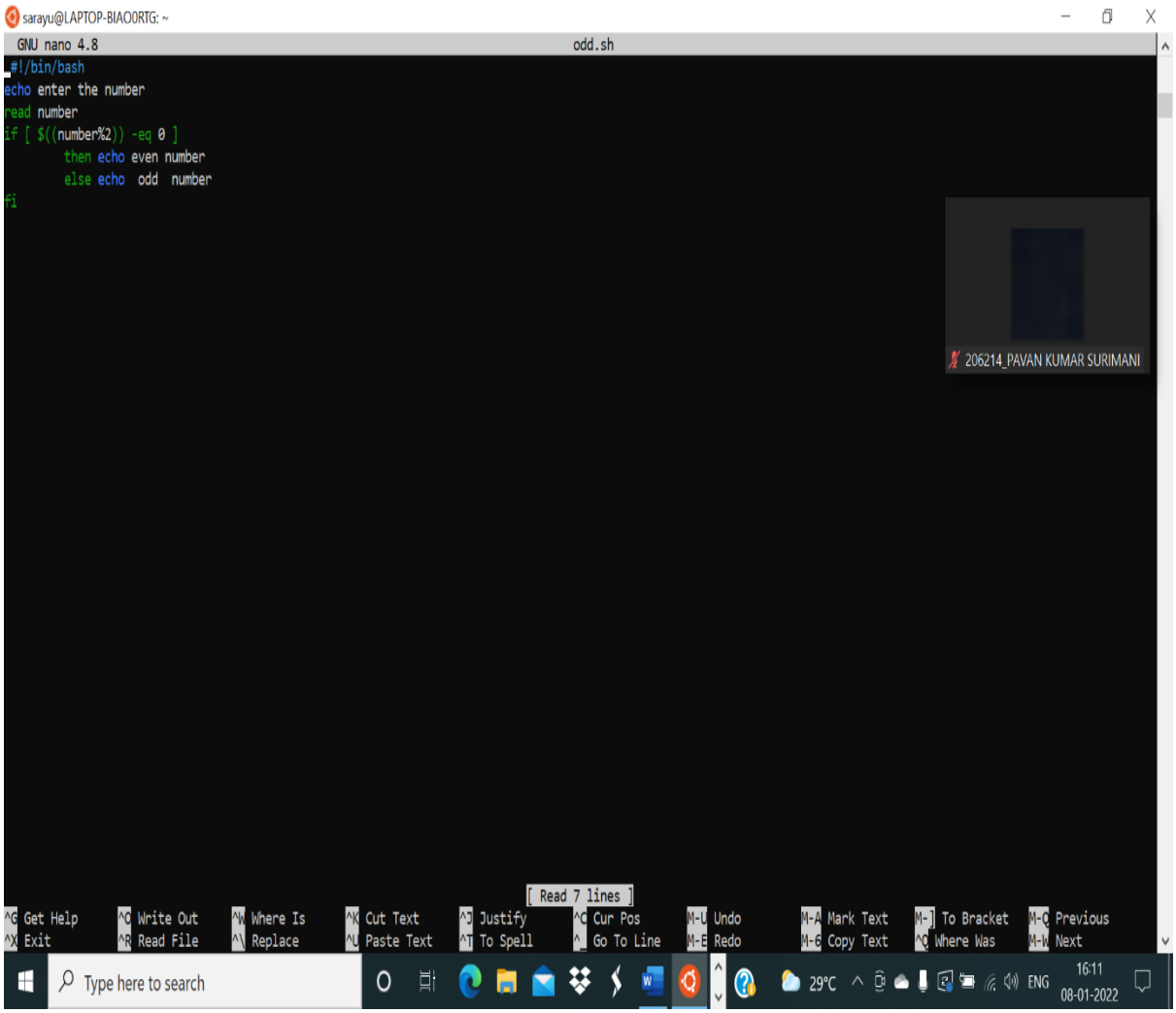
Shell Script

ust3@LAPTOP-BIAO0RTG:~$ su - sarayu
Password:
sarayu@LAPTOP-BIAO0RTG:~$ nano food.sh



sarayu@LAPTOP-BIAO0RTG:~$ ./food.sh
Enter fav food
biriyani
my fav food is biriyani

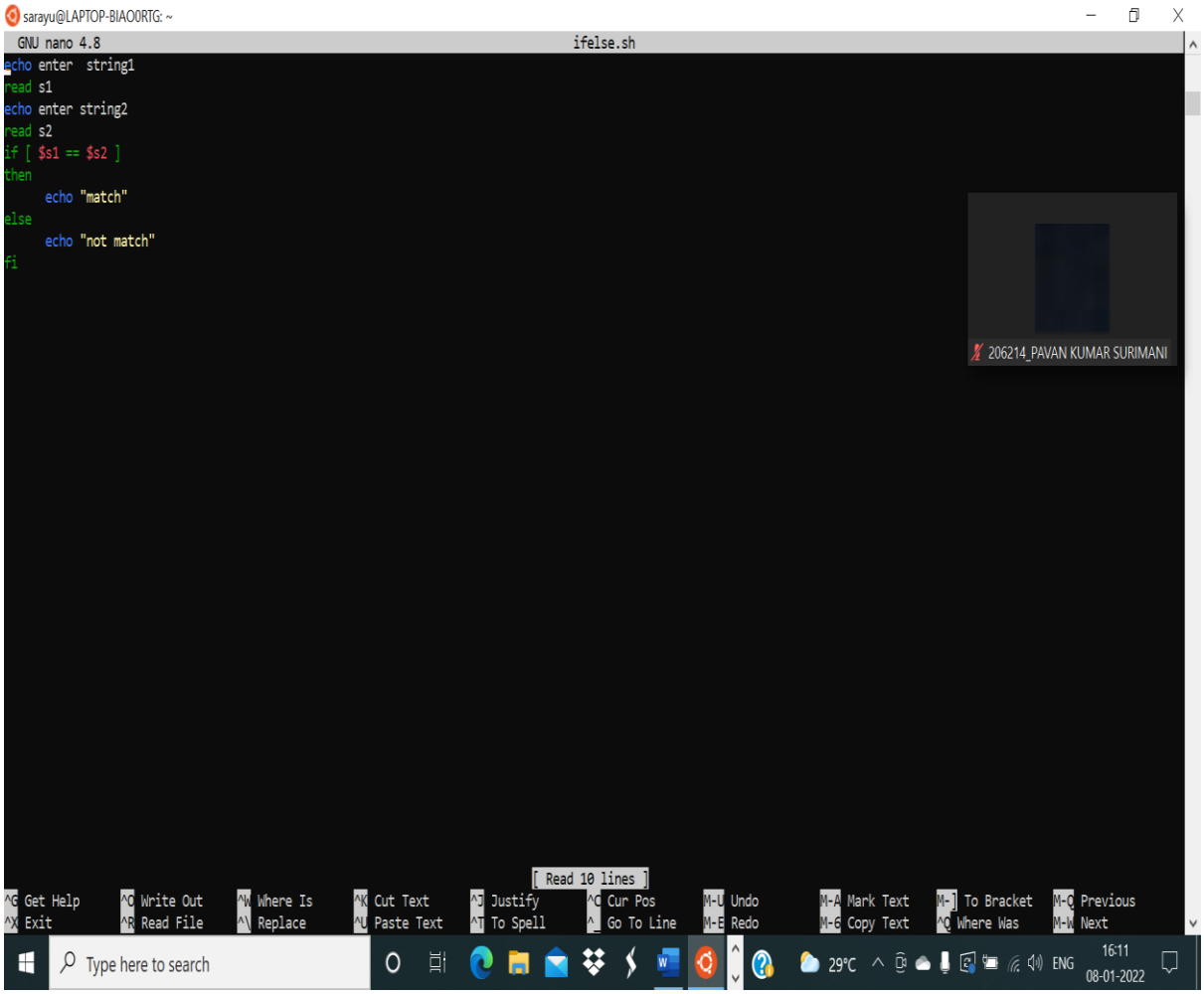
sarayu@LAPTOP-BIAO0RTG:~$ nano odd.sh



sarayu@LAPTOP-BIAO0RTG:~$ ./odd.sh

enter the number
3
odd number
sarayu@LAPTOP-BIAO0RTG:~$ ./odd.sh
enter the number
6
even number

sarayu@LAPTOP-BIAO0RTG:~$ nano ifelse.sh



sarayu@LAPTOP-BIAO0RTG:~$ ./ifelse.sh
enter string1
qwe
enter string2
qwe
match
sarayu@LAPTOP-BIAO0RTG:~$ ./ifelse.sh
enter string1
ert
enter string2
uio
not match

Ansible

sarayu@LAPTOP-BIAO0RTG:~$ ansible-galaxy init --force --offline meera

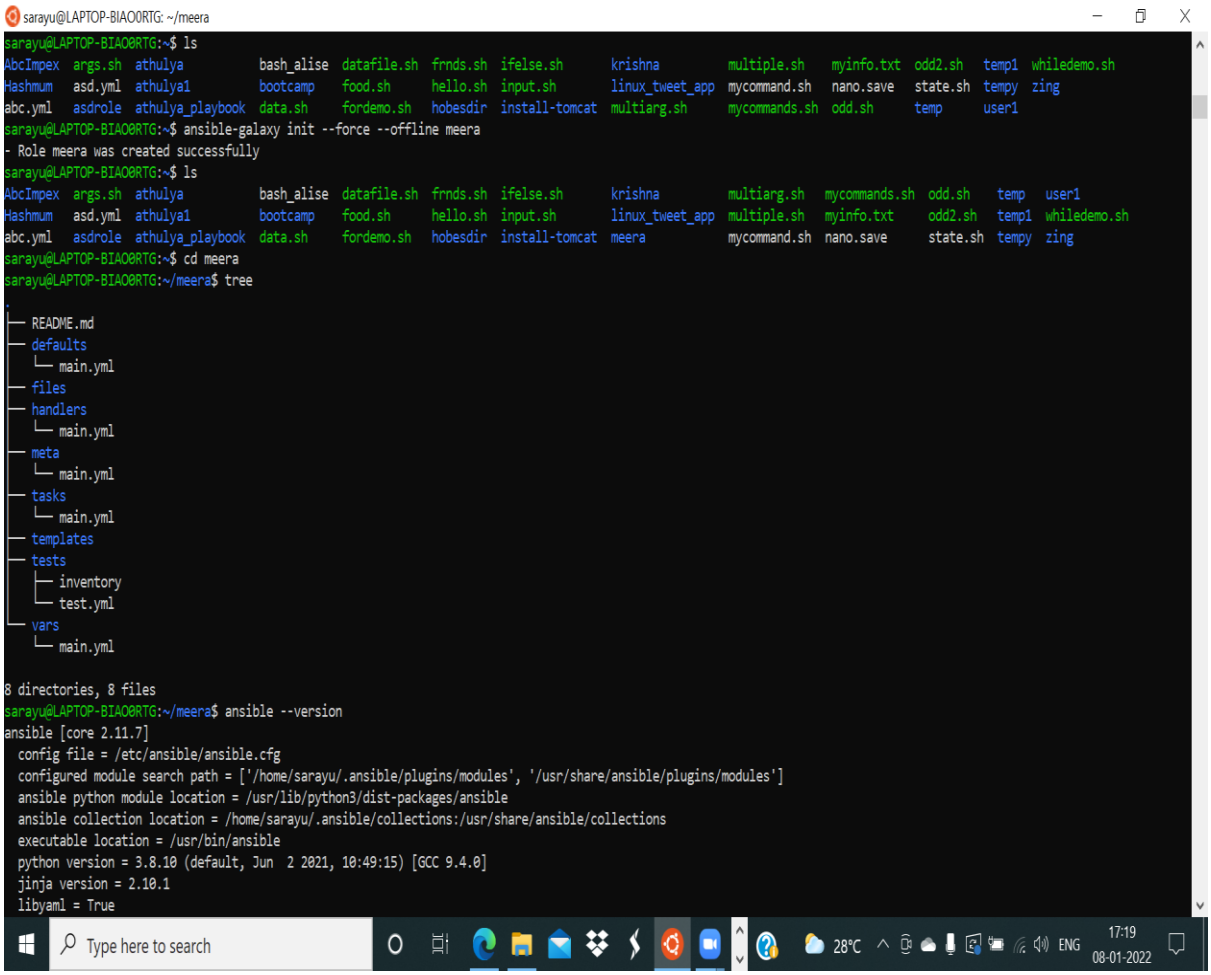
sarayu@LAPTOP-BIAO0RTG:~$ cd meera

sarayu@LAPTOP-BIAO0RTG:~/meera$ tree

```
.
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
└── vars
    └── main.yml

8 directories, 8 files
```

sarayu@LAPTOP-BIAO0RTG:~/meera$ ansible --version


sarayu@LAPTOP-BIAO0RTG: ~/meera
sarayu@LAPTOP-BIAO0RTG:~$ ls
AbcImpex args.sh athulya bash_alise datafile.sh frnds.sh ifelse.sh krishna multiple.sh myinfo.txt odd2.sh temp1 whiledemo.sh
Hashmum asd.yml athulya1 bootcamp food.sh hello.sh input.sh linux_tweet_app mycommand.sh nano.save state.sh tempy zing
abc.yml asdrole athulya_playbook data.sh fordemo.sh hobesdir install-tomcat multiarg.sh mycommands.sh odd.sh temp user1
sarayu@LAPTOP-BIAO0RTG:~$ ansible-galaxy init --force --offline meera
- Role meera was created successfully
sarayu@LAPTOP-BIAO0RTG:~$ ls
AbcImpex args.sh athulya bash_alise datafile.sh frnds.sh ifelse.sh krishna multiarg.sh mycommands.sh odd.sh temp user1
Hashmum asd.yml athulya1 bootcamp food.sh hello.sh input.sh linux_tweet_app multiple.sh myinfo.txt odd2.sh temp1 whiledemo.sh
abc.yml asdrole athulya_playbook data.sh fordemo.sh hobesdir install-tomcat meera mycommand.sh nano.save state.sh tempy zing
sarayu@LAPTOP-BIAO0RTG:~$ cd meera
sarayu@LAPTOP-BIAO0RTG:~/meera$ tree
.
├── README.md
├── defaults
│ └── main.yml
├── files
├── handlers
│ └── main.yml
├── meta
│ └── main.yml
├── tasks
│ └── main.yml
├── templates
├── tests
│ ├── inventory
│ └── test.yml
└── vars
└── main.yml
8 directories, 8 files
sarayu@LAPTOP-BIAO0RTG:~/meera$ ansible --version
ansible [core 2.11.7]
config file = /etc/ansible/ansible.cfg
configured module search path = ['/home/sarayu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
ansible python module location = /usr/lib/python3/dist-packages/ansible
ansible collection location = /home/sarayu/.ansible/collections:/usr/share/ansible/collections
executable location = /usr/bin/ansible
python version = 3.8.10 (default, Jun 2 2021, 10:49:15) [GCC 9.4.0]
jinja version = 2.10.1
libyaml = True
Type here to search
28°C
ENG
17:19
08-01-2022