Tasks for the day

Commands for practise:

1. grep :: try out multiple searches by using egrep

user@ubuntu: ~

File Edit View Search Terminal Help

```
user@ubuntu:~$ grep -i son names
Stetson
Samson
Sonny
user@ubuntu:~$ grep -n son names
11:Stetson
13:Samson
user@ubuntu:~$ grep -c son names
2
user@ubuntu:~$ grep -w son names
user@ubuntu:~$ grep -w Samson names
Samson
user@ubuntu:~$
```
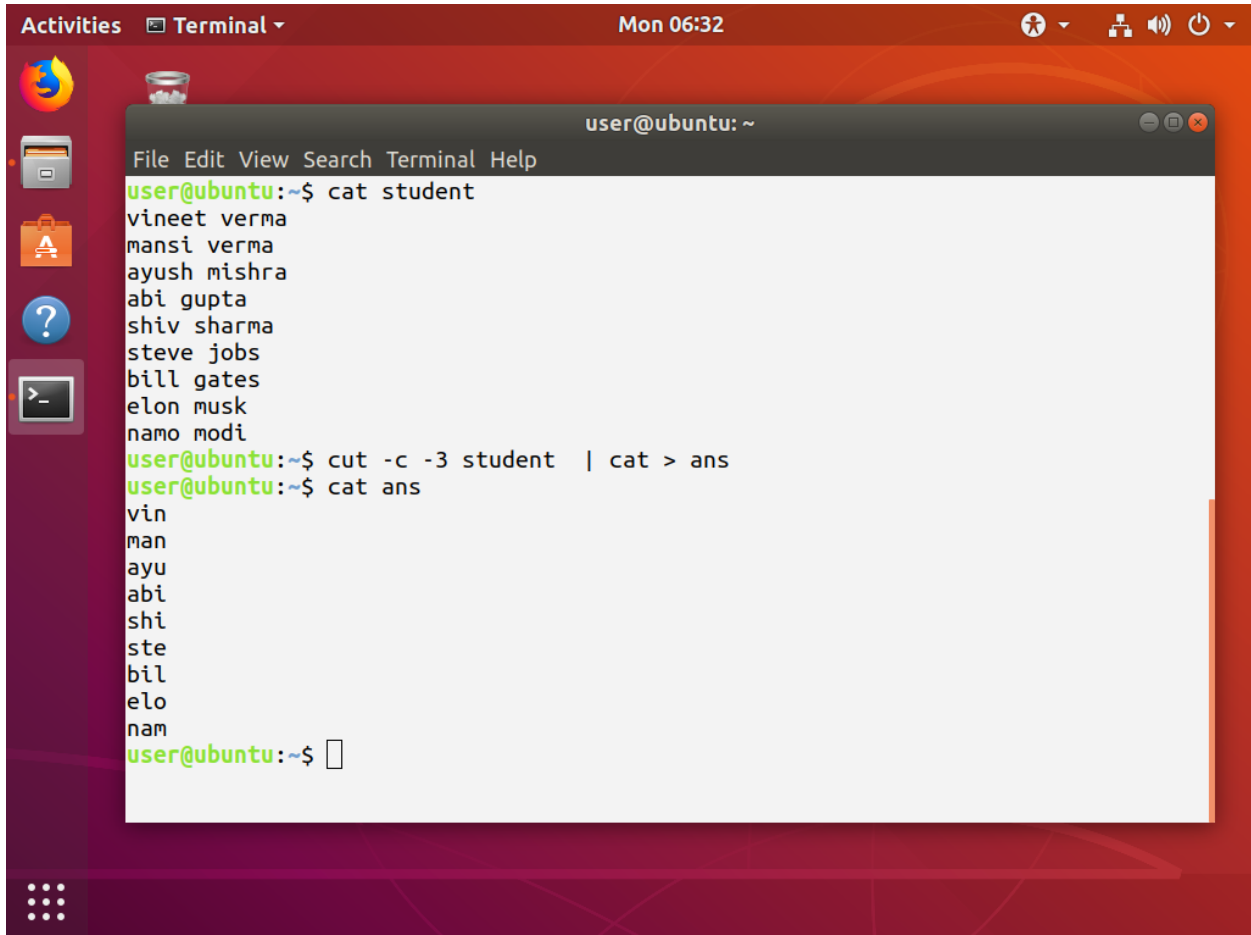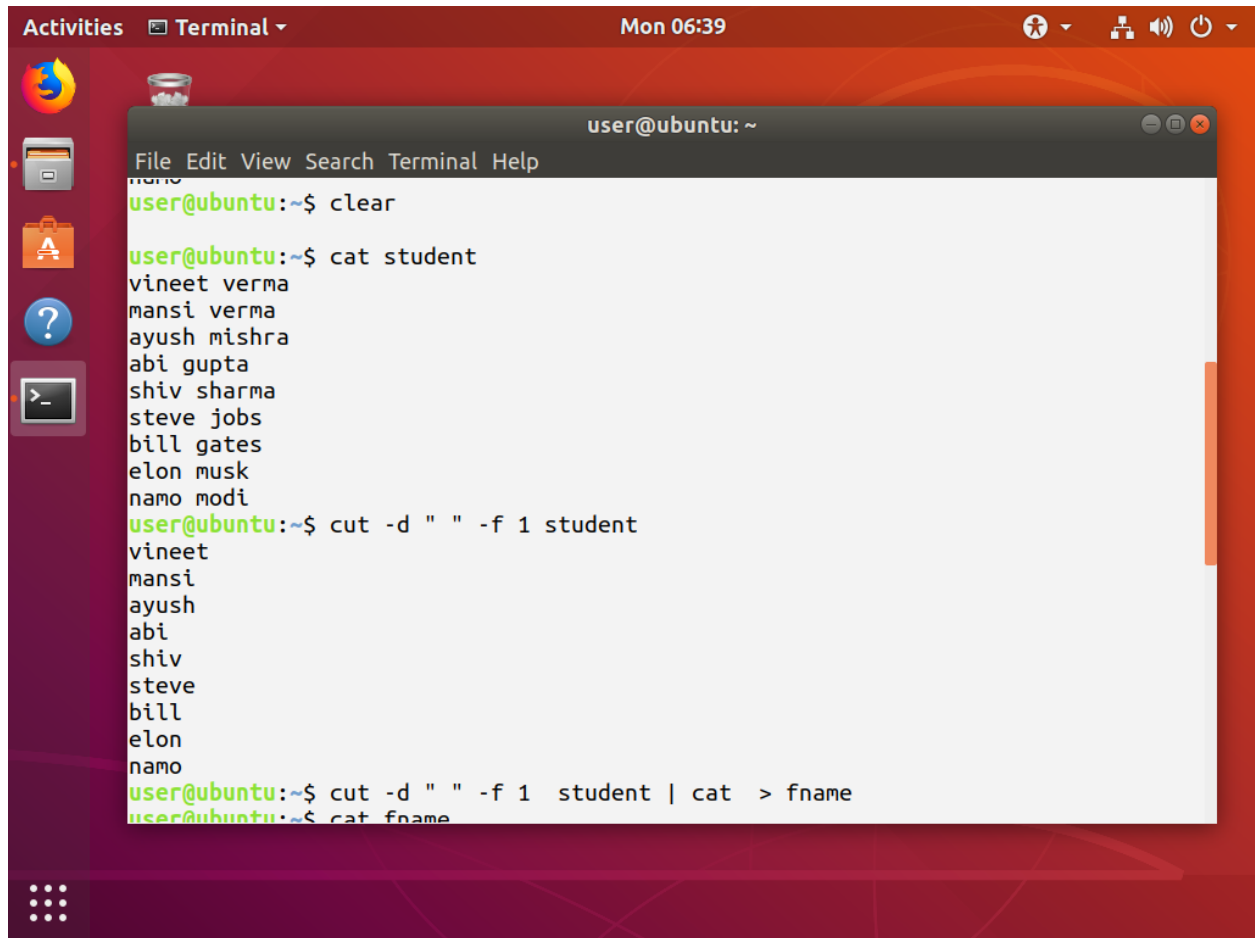
2. cut :: try the cut command by cutting multiple columns using delimiter.

user@ubuntu: ~

File Edit View Search Terminal Help

```
user@ubuntu:~$ cat student
vineet verma
mansi verma
ayush mishra
abi gupta
shiv sharma
steve jobs
bill gates
elon musk
namo modi
user@ubuntu:~$ cut -c -3 student  | cat > ans
user@ubuntu:~$ cat ans
vin
man
ayu
abi
shi
ste
bil
elo
nam
user@ubuntu:~$
```

user@ubuntu: ~

File Edit View Search Terminal Help

```
user@ubuntu:~$ clear

user@ubuntu:~$ cat student
vineet verma
mansi verma
ayush mishra
abi gupta
shiv sharma
steve jobs
bill gates
elon musk
namo modi
user@ubuntu:~$ cut -d " " -f 1 student
vineet
mansi
ayush
abi
shiv
steve
bill
elon
namo
user@ubuntu:~$ cut -d " " -f 1  student | cat  > fname
user@ubuntu:~$ cat fname
```

user@ubuntu: ~

File Edit View Search Terminal Help

```
bill
elon
namo
user@ubuntu:~$ cut --complement -d
cut: option requires an argument -- 'd'
Try 'cut --help' for more information.
user@ubuntu:~$ cut --complement -d " " -f student | cat   > lname
cut: invalid field value 'student'
Try 'cut --help' for more information.
user@ubuntu:~$ cut --complement -d " " -f 1  student | cat   > lname
user@ubuntu:~$ cut lname
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
user@ubuntu:~$ cat lname
verma
verma
mishra
gupta
sharma
jobs
gates
musk
modi
user@ubuntu:~$ 
```
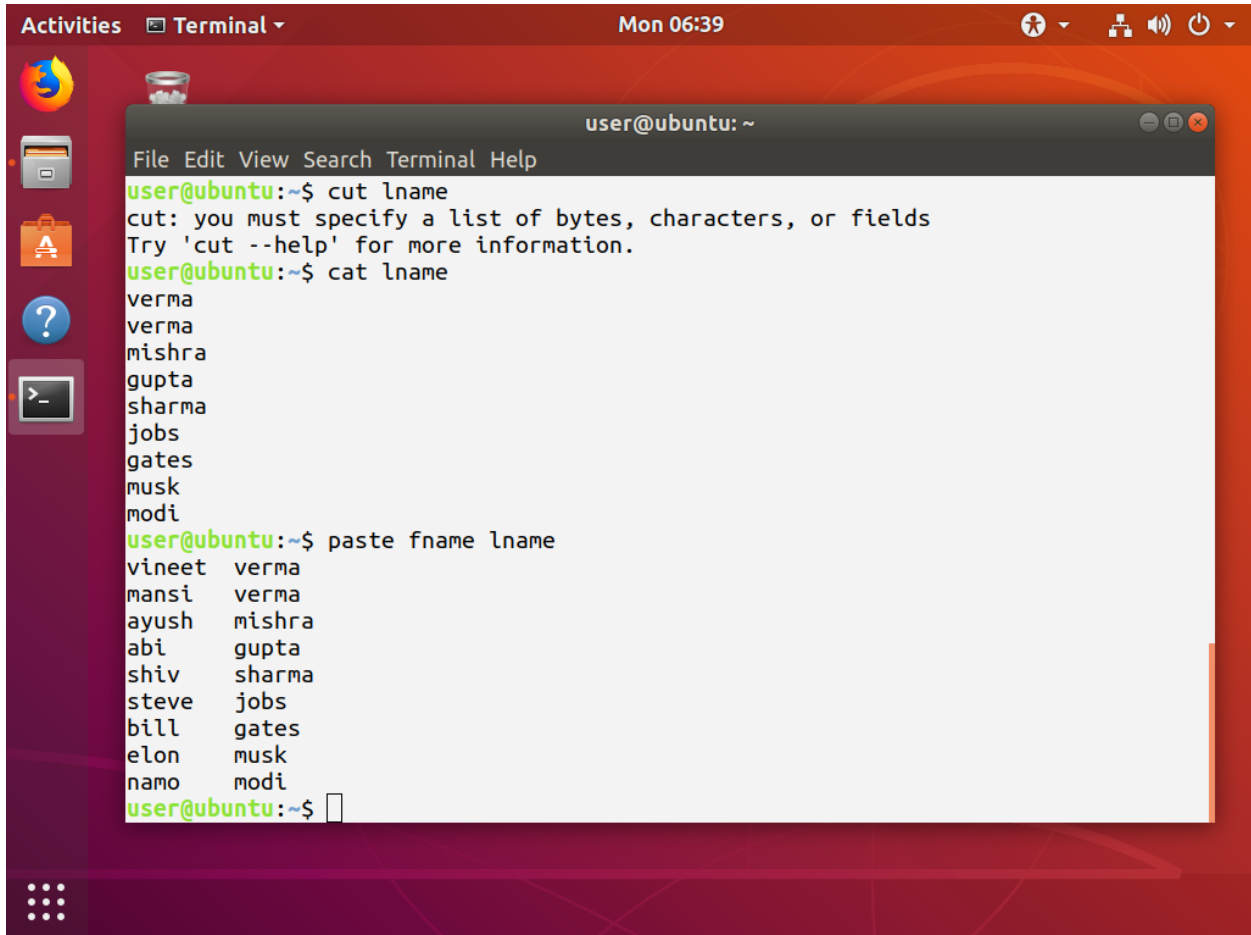
3. use the paste command and paste the contents in a file which was cut.
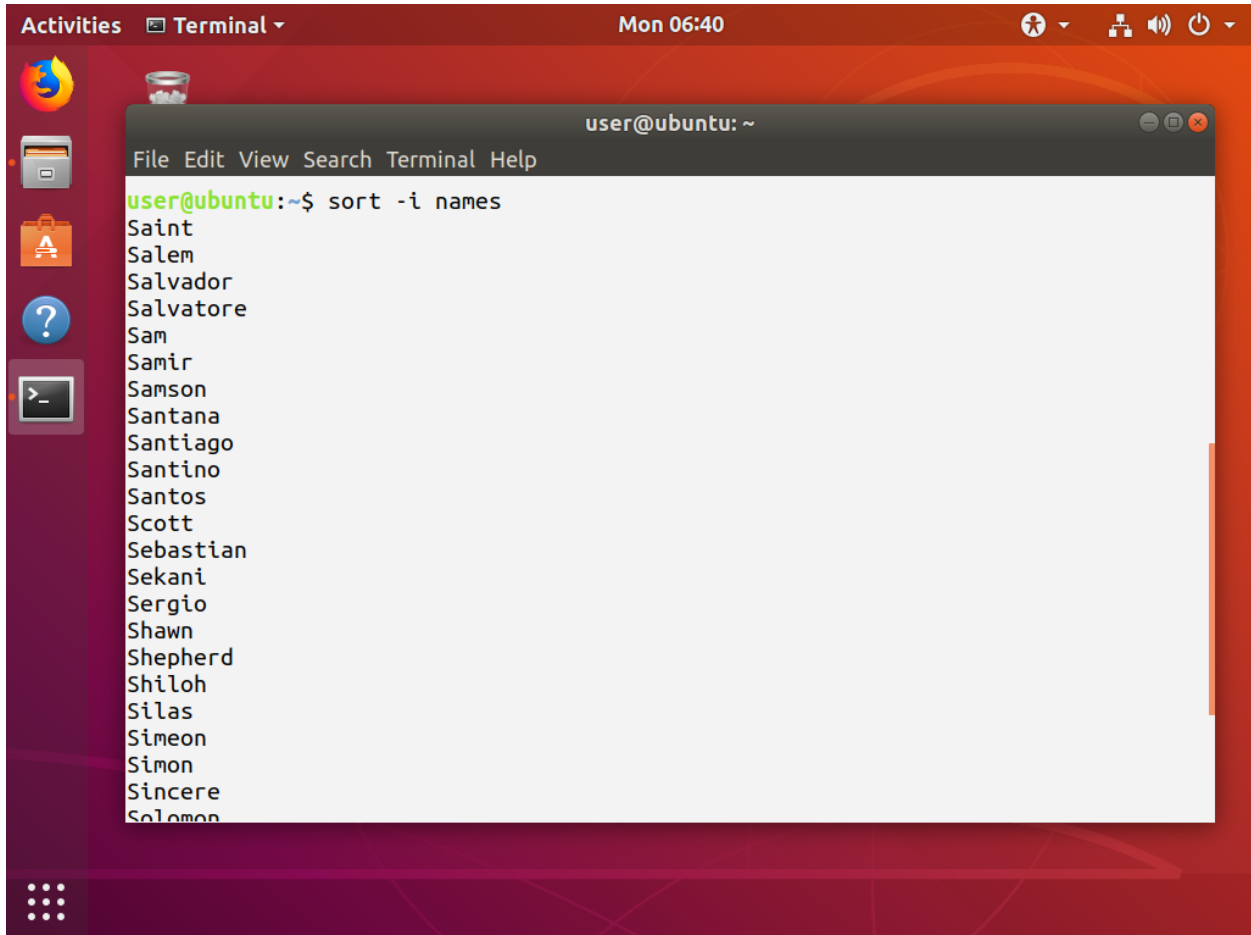

```
Activities    Terminal                          Mon 06:39

                              user@ubuntu: ~

 File Edit View Search Terminal Help
user@ubuntu:~$ cut lname
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
user@ubuntu:~$ cat lname
verma
verma
mishra
gupta
sharma
jobs
gates
musk
modi
user@ubuntu:~$ paste fname lname
vineet   verma
mansi    verma
ayush    mishra
abi      gupta
shiv     sharma
steve    jobs
bill     gates
elon     musk
namo     modi
user@ubuntu:~$
```
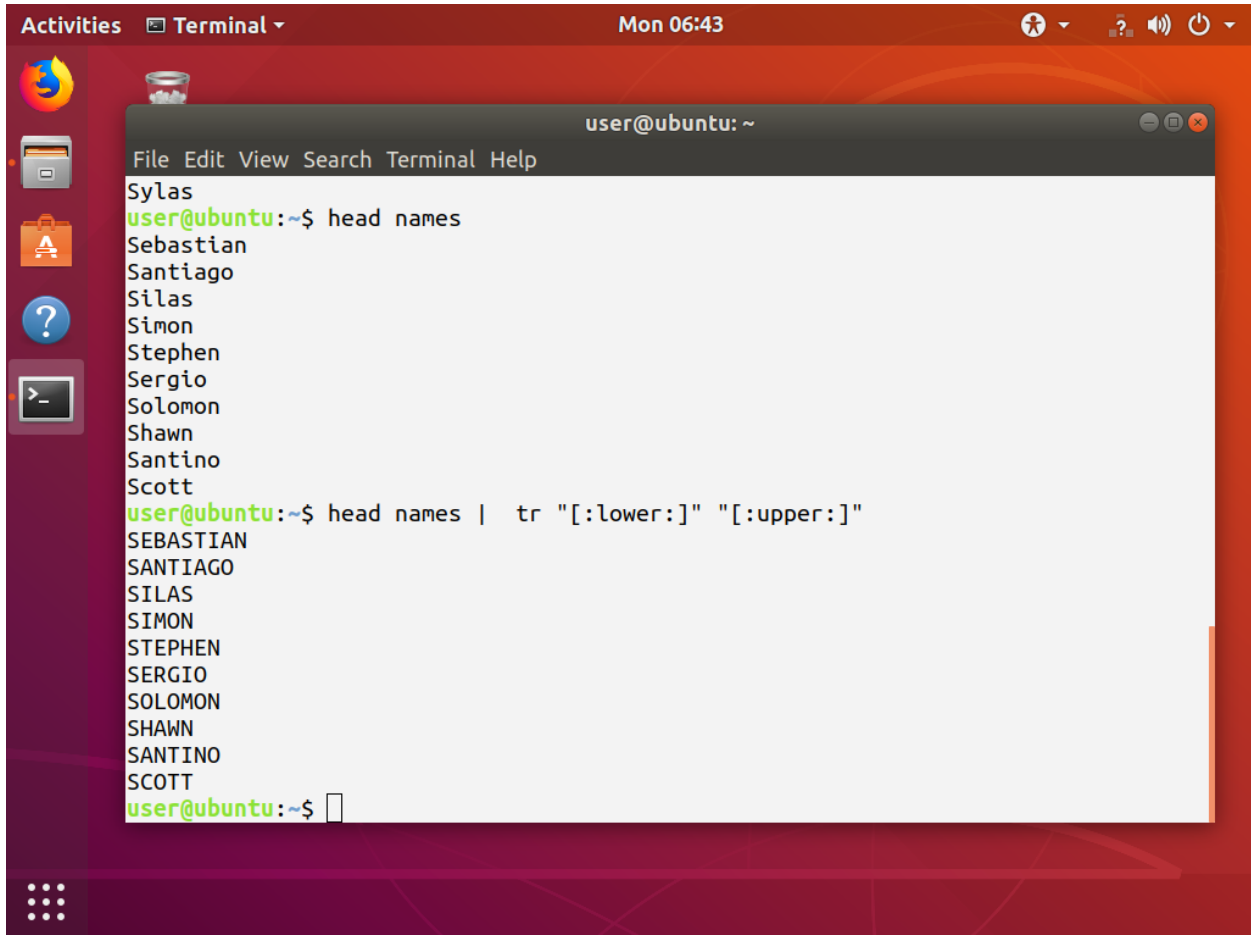
4. is sort case sensitive or not. if it is case sensitive how to resolve it with an option.


```
user@ubuntu:~$ sort -i names
Saint
Salem
Salvador
Salvatore
Sam
Samir
Samson
Santana
Santiago
Santino
Santos
Scott
Sebastian
Sekani
Sergio
Shawn
Shepherd
Shiloh
Silas
Simeon
Simon
Sincere
Solomon
```
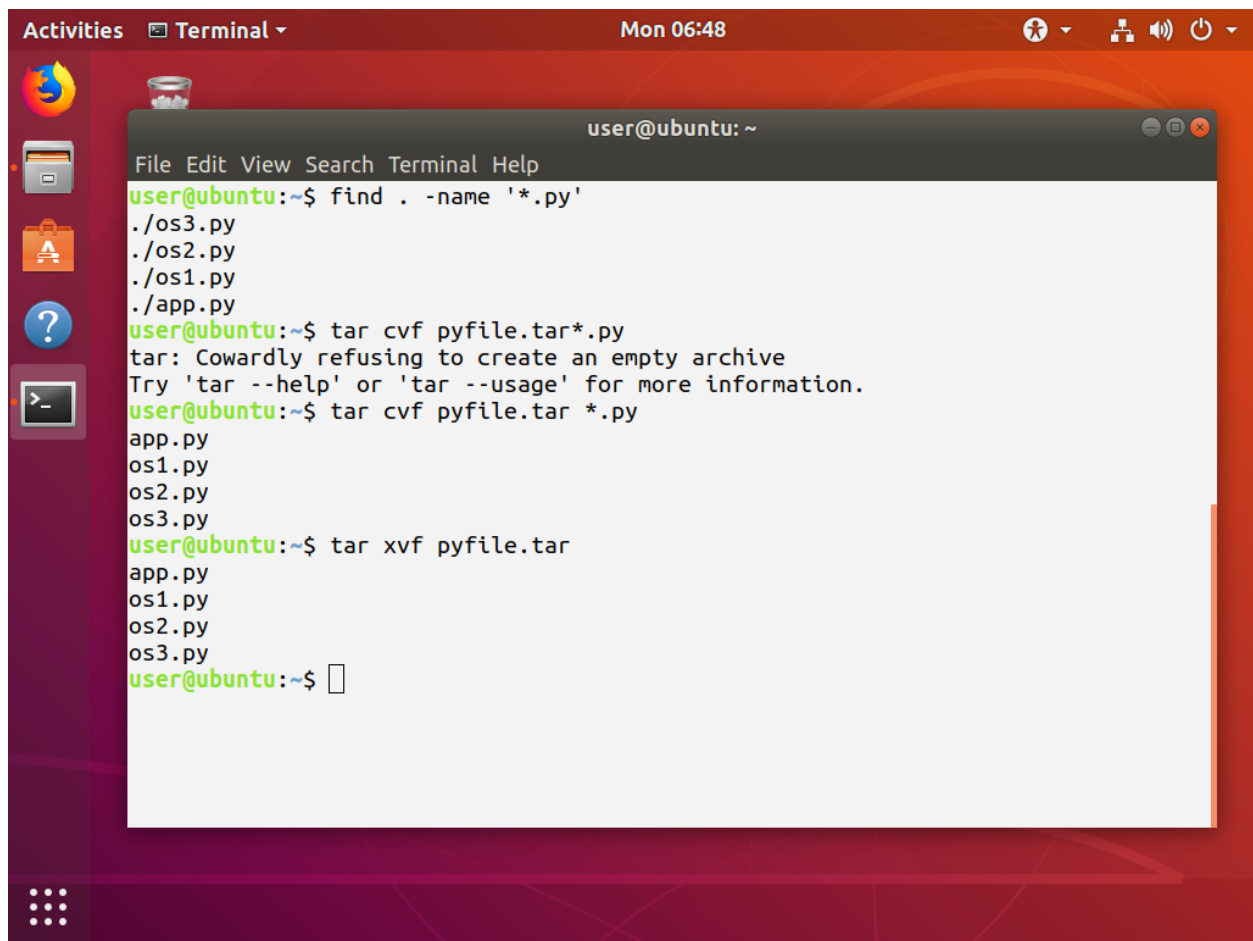
5. convert all the text to upper case by using tr command

6. make use of tar (tape archive) and compress the file.
7. try to compress the folder and uncompress
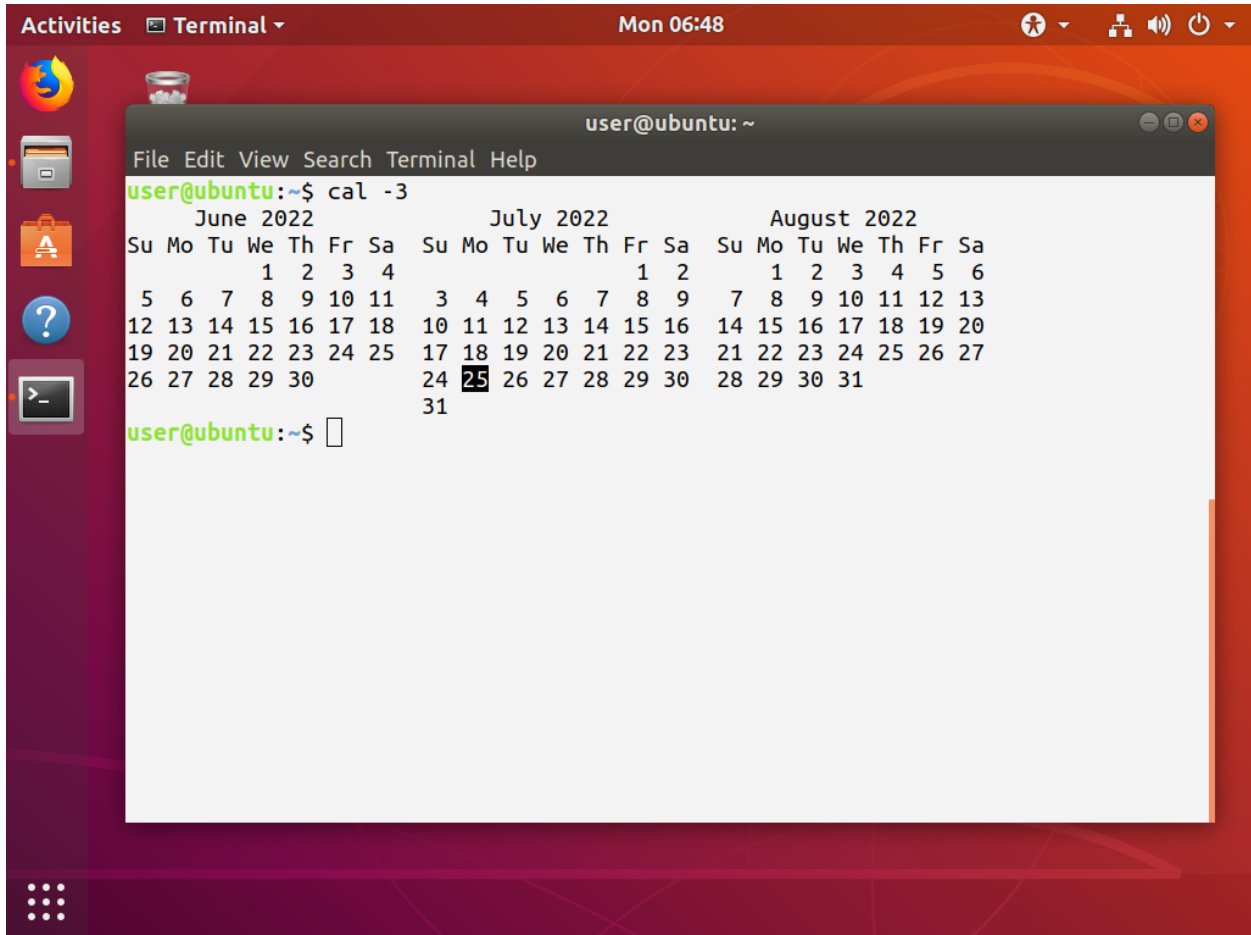

```
user@ubuntu:~$ find . -name '*.py'
./os3.py
./os2.py
./os1.py
./app.py
user@ubuntu:~$ tar cvf pyfile.tar*.py
tar: Cowardly refusing to create an empty archive
Try 'tar --help' or 'tar --usage' for more information.
user@ubuntu:~$ tar cvf pyfile.tar *.py
app.py
os1.py
os2.py
os3.py
user@ubuntu:~$ tar xvf pyfile.tar
app.py
os1.py
os2.py
os3.py
user@ubuntu:~$
```
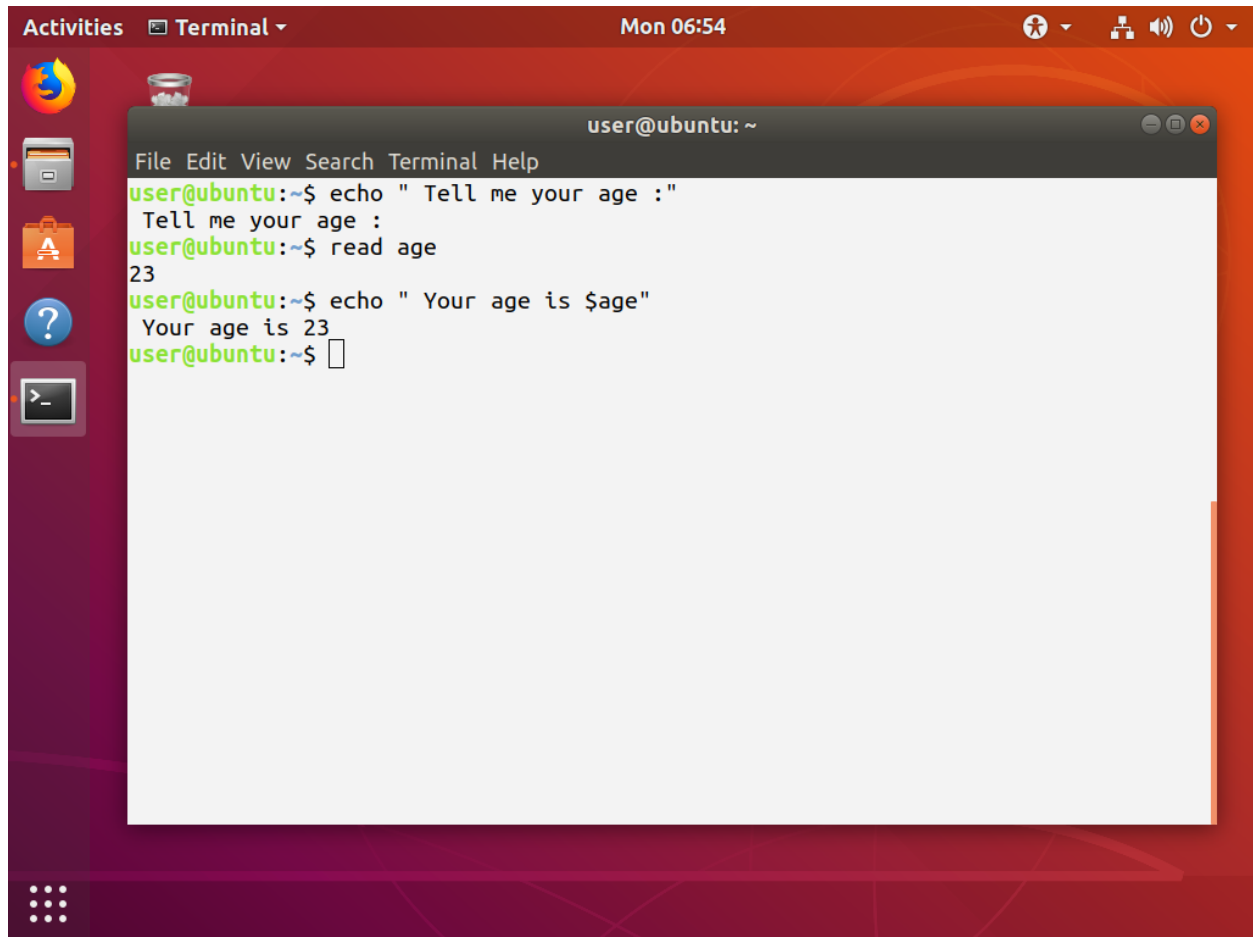
8. try with cal to display the previous the next and the current month.

***9. try with all the communication commands we have learned.

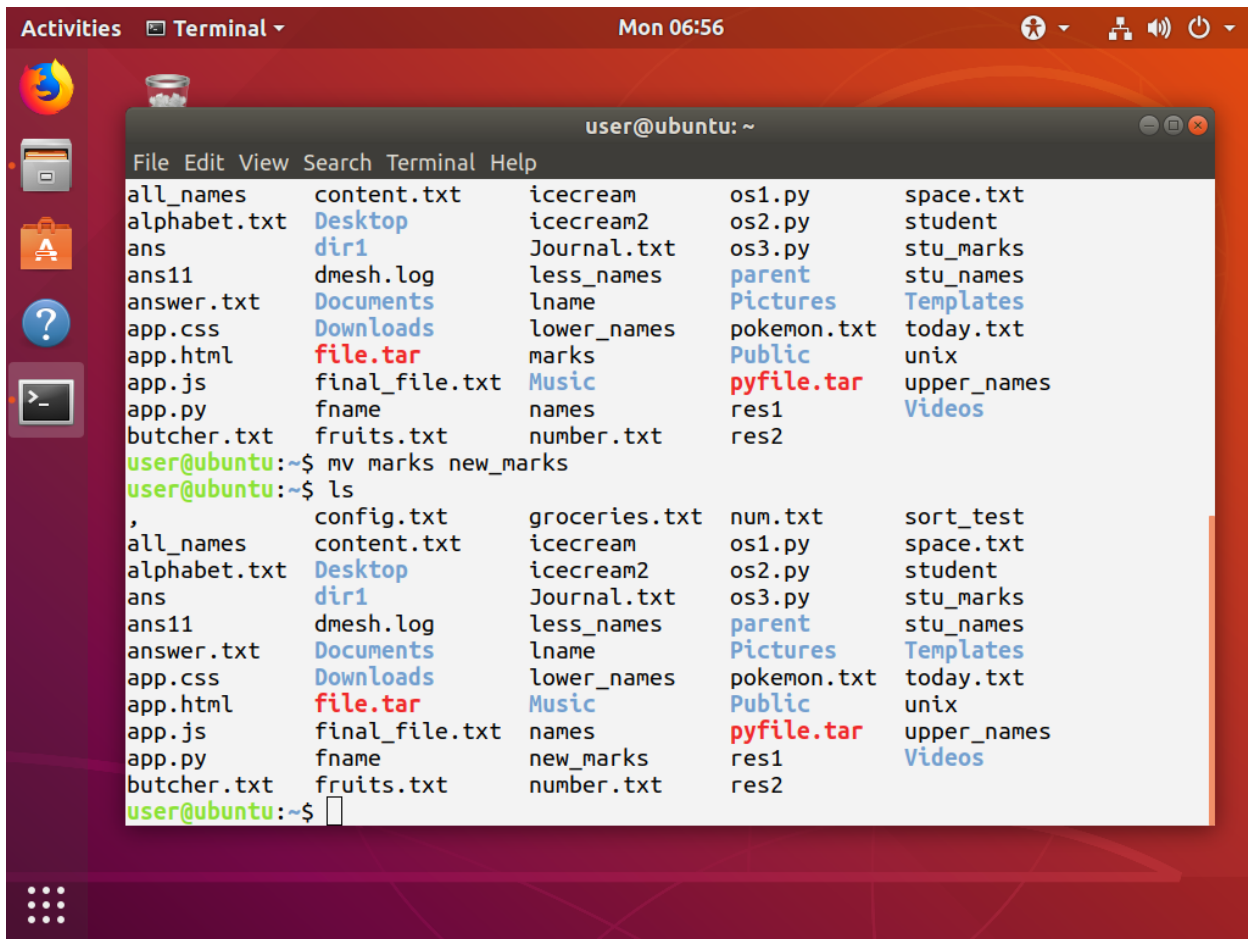10. Can we have an interactive chat with users? Try this command.

11. can we rename a folder in linux. If so, try with command.

12. Work with Vi editor commands

user@ubuntu: ~

File   Edit   View   Search   Terminal   Help

```
user@ubuntu:~$ vi vi_file
user@ubuntu:~$ cat vi_file

D
C
C
hello this is vineet using vi comm
user@ubuntu:~$ 
```
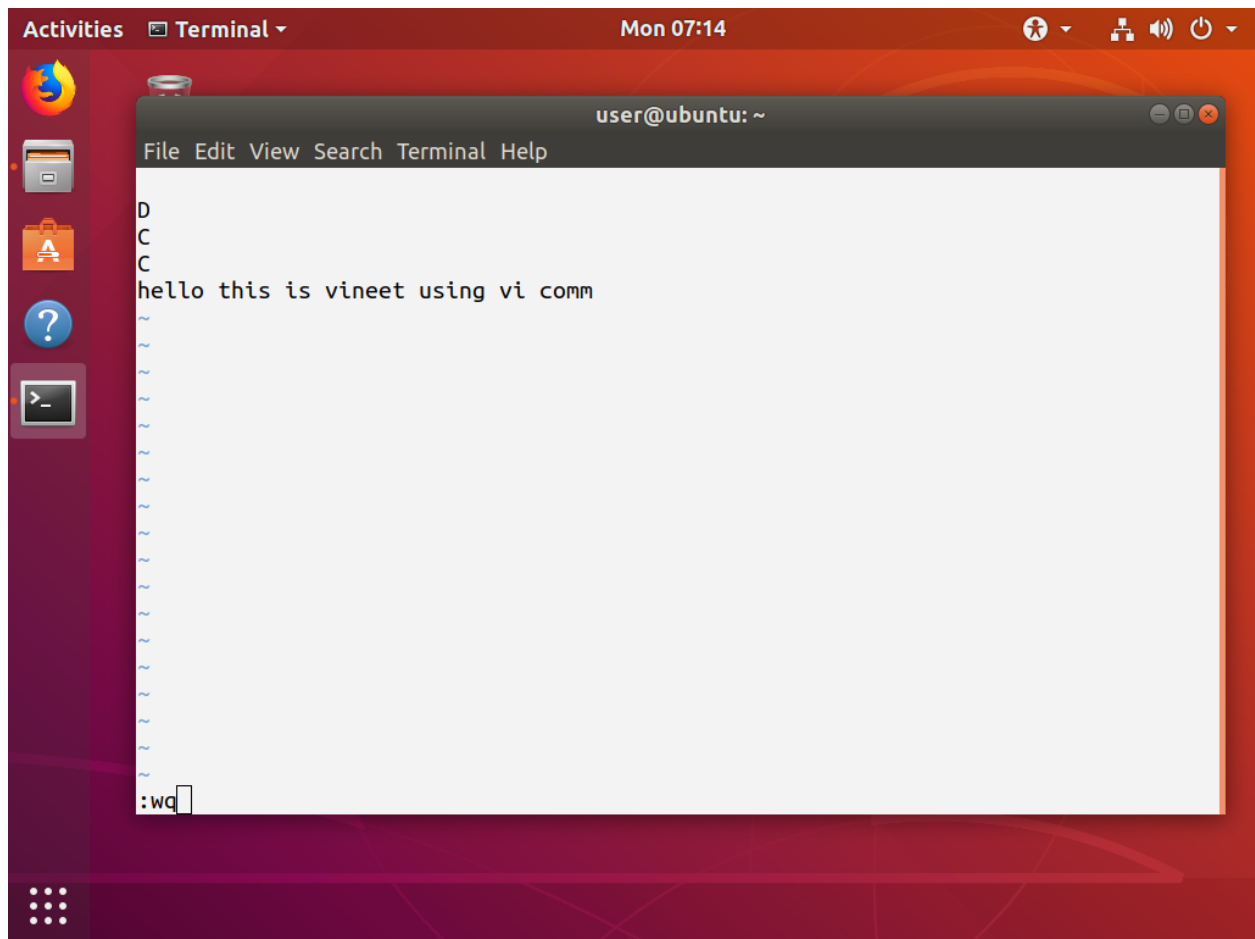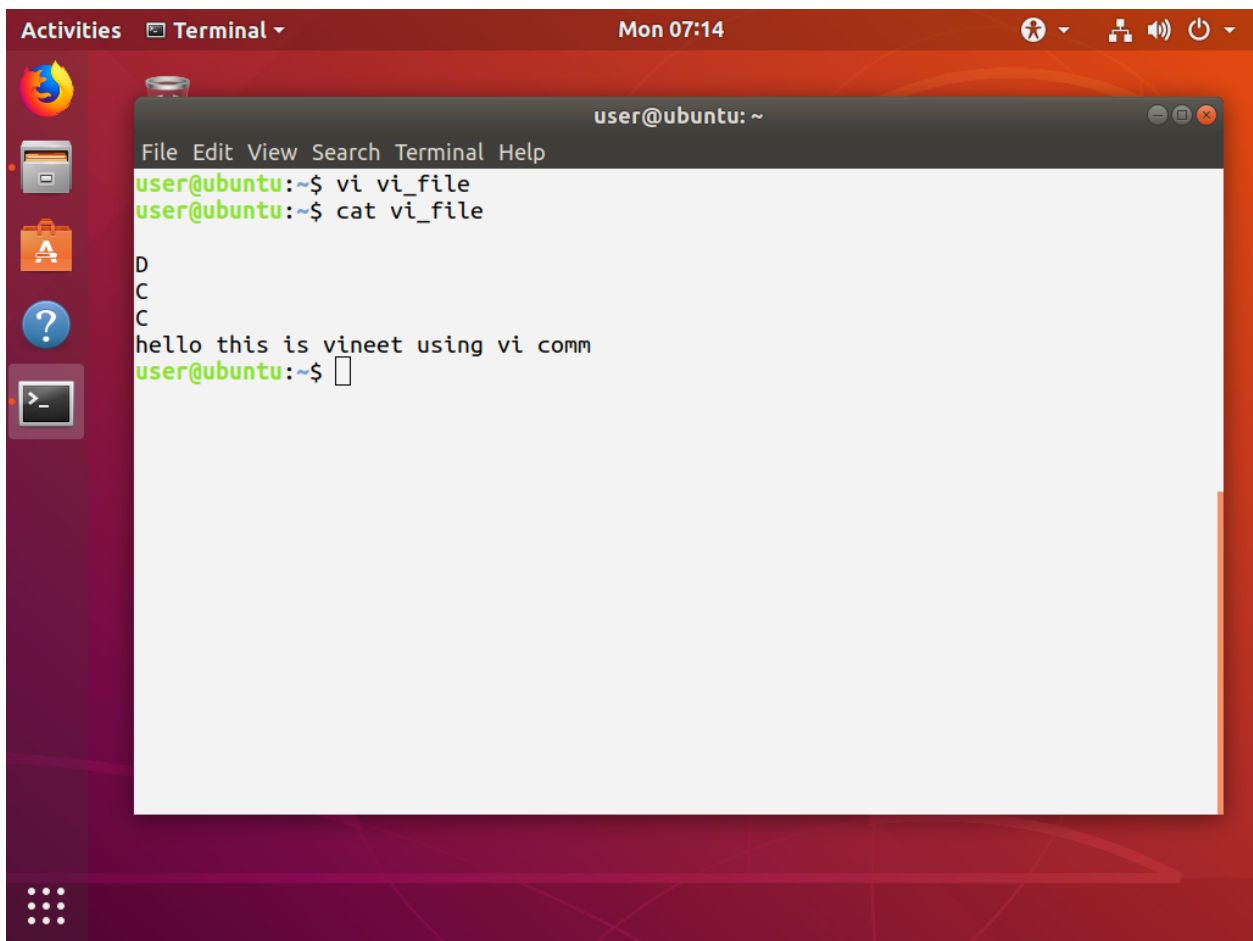
13. Work with all the options of sed command

user@ubuntu: ~

File Edit View Search Terminal Help

```
user@ubuntu:~$ cat unix
unix is great os. unix is opensource. unix is free os.
learn operating system.
unix linux which one you choose.
unix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful
user@ubuntu:~$ sed 's/unix/mac_os/' unix
mac_os is great os. unix is opensource. unix is free os.
learn operating system.
mac_os linux which one you choose.
mac_os is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful
user@ubuntu:~$ sed 's/unix/mac_os/g' unix
mac_os is great os. mac_os is opensource. mac_os is free os.
learn operating system.
mac_os linux which one you choose.
mac_os is easy to learn.mac_os is a multiuser os.Learn mac_os .mac_os is a power
ful
user@ubuntu:~$ 
```