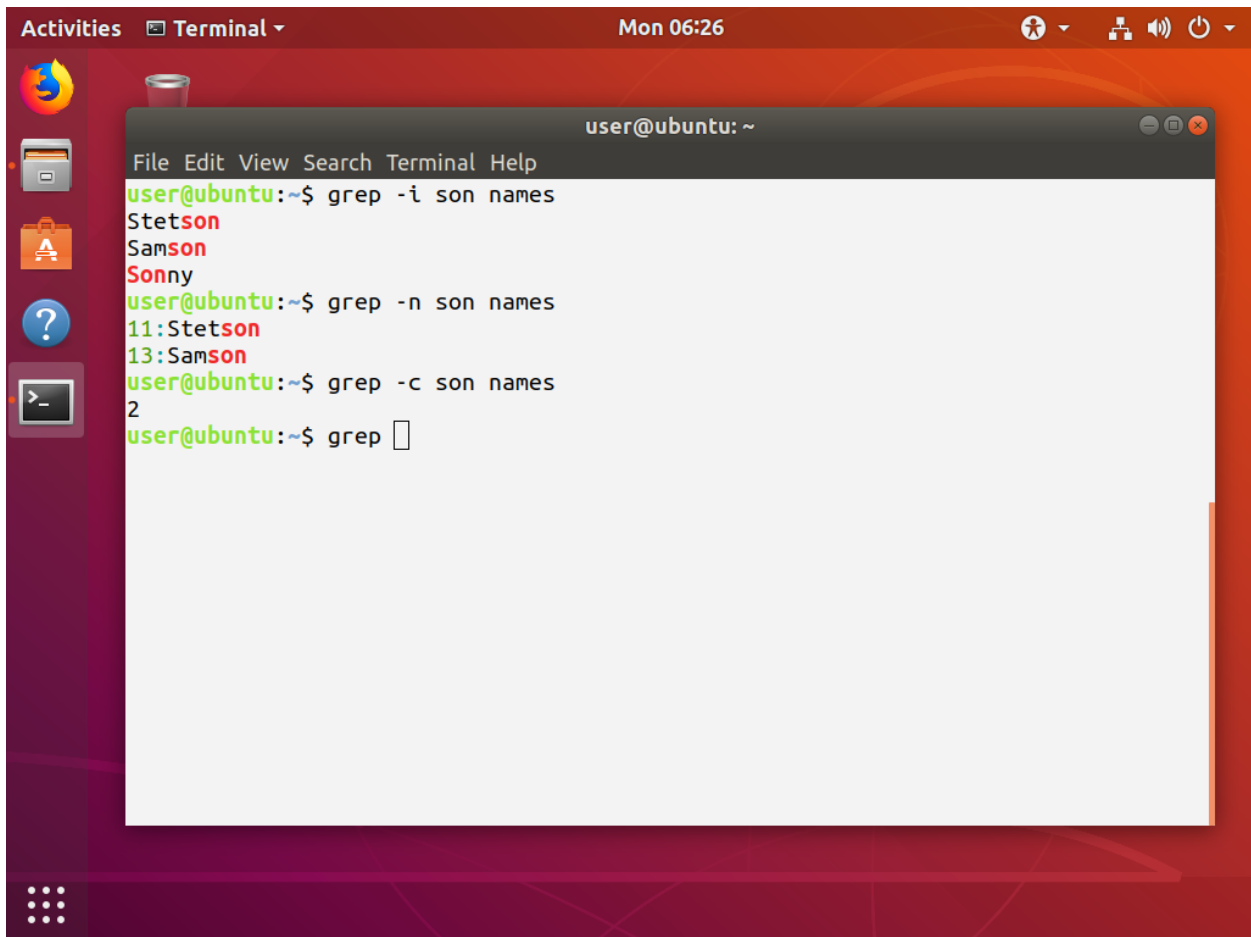


Tasks for the day

Commands for practise:

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



The screenshot shows a terminal window titled "user@ubuntu: ~" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal displays the following commands and output:

```
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
```



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

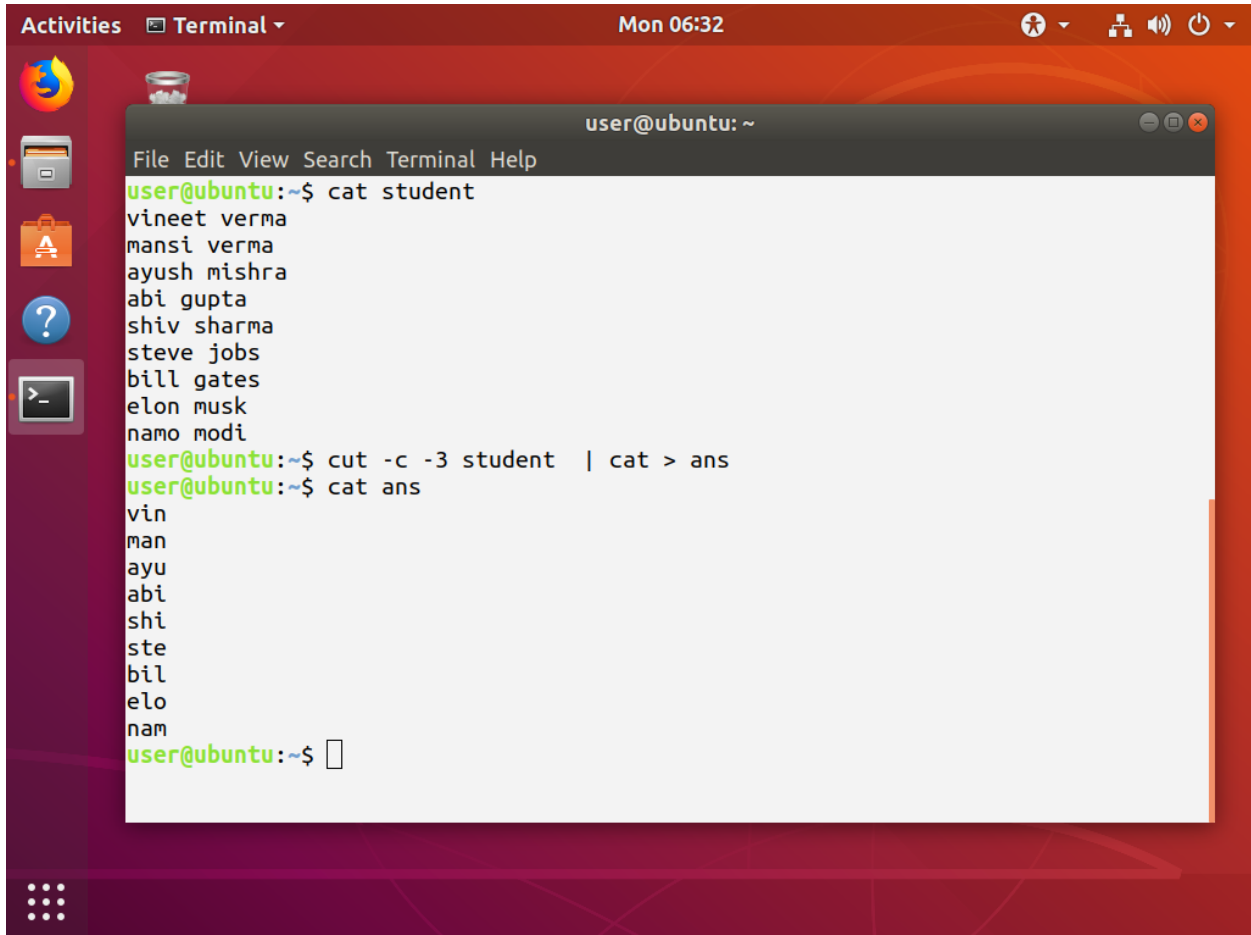
user@ubuntu:~\$ grep -w son names

user@ubuntu:~\$ grep -w Samson names

Samson

user@ubuntu:~\$

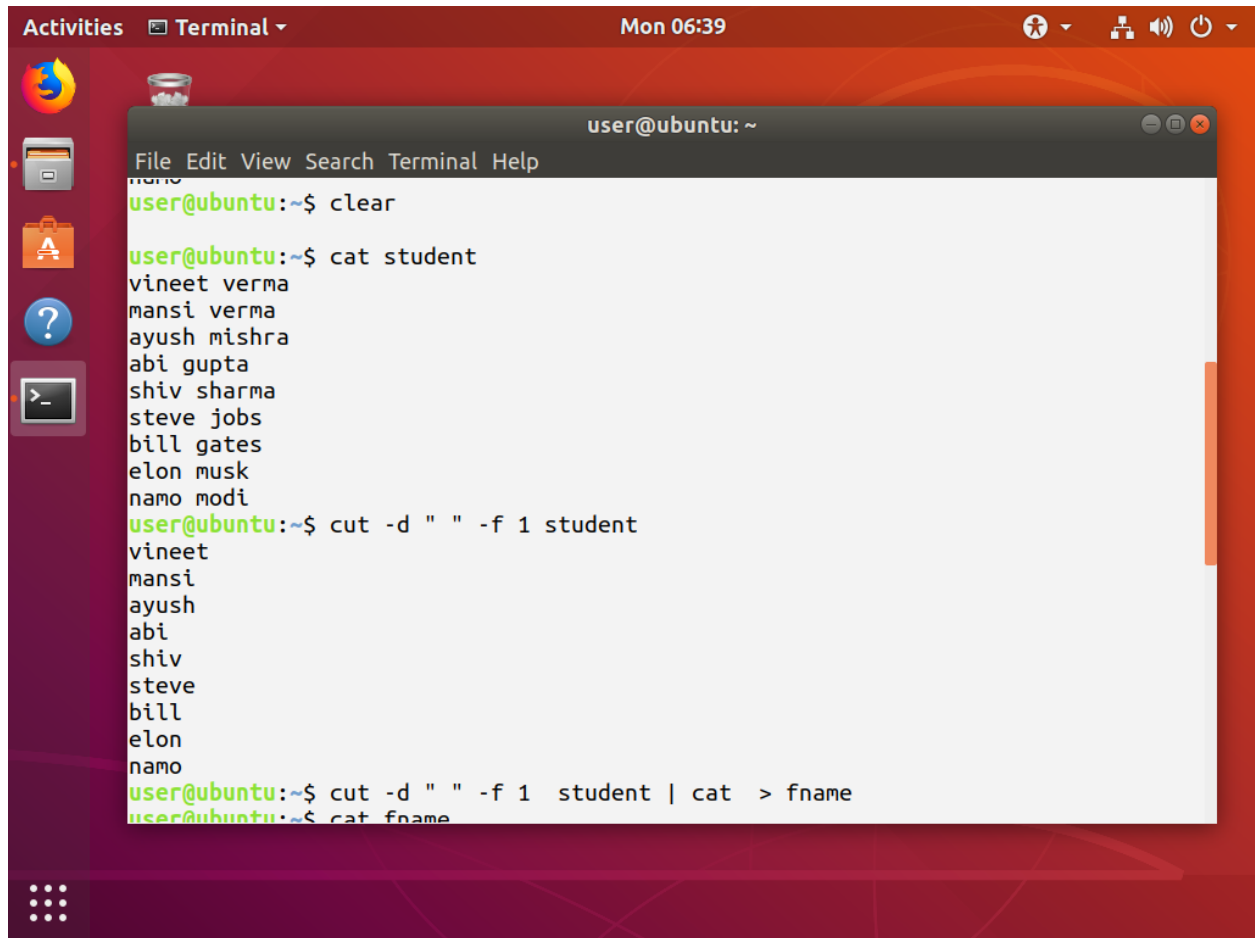
2. cut :: try the cut command by cutting multiple columns using delimiter.



The screenshot shows a terminal window titled "user@ubuntu: ~" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal displays the following commands and output:

```
user@ubuntu:~$ cat student
vineet verma
manshi 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:~$
```

The terminal window is part of a desktop environment with a red background. On the left, there is a sidebar with icons for "Activities", "Terminal", and other applications. The top status bar shows the time as "Mon 06:32" and various system icons.





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

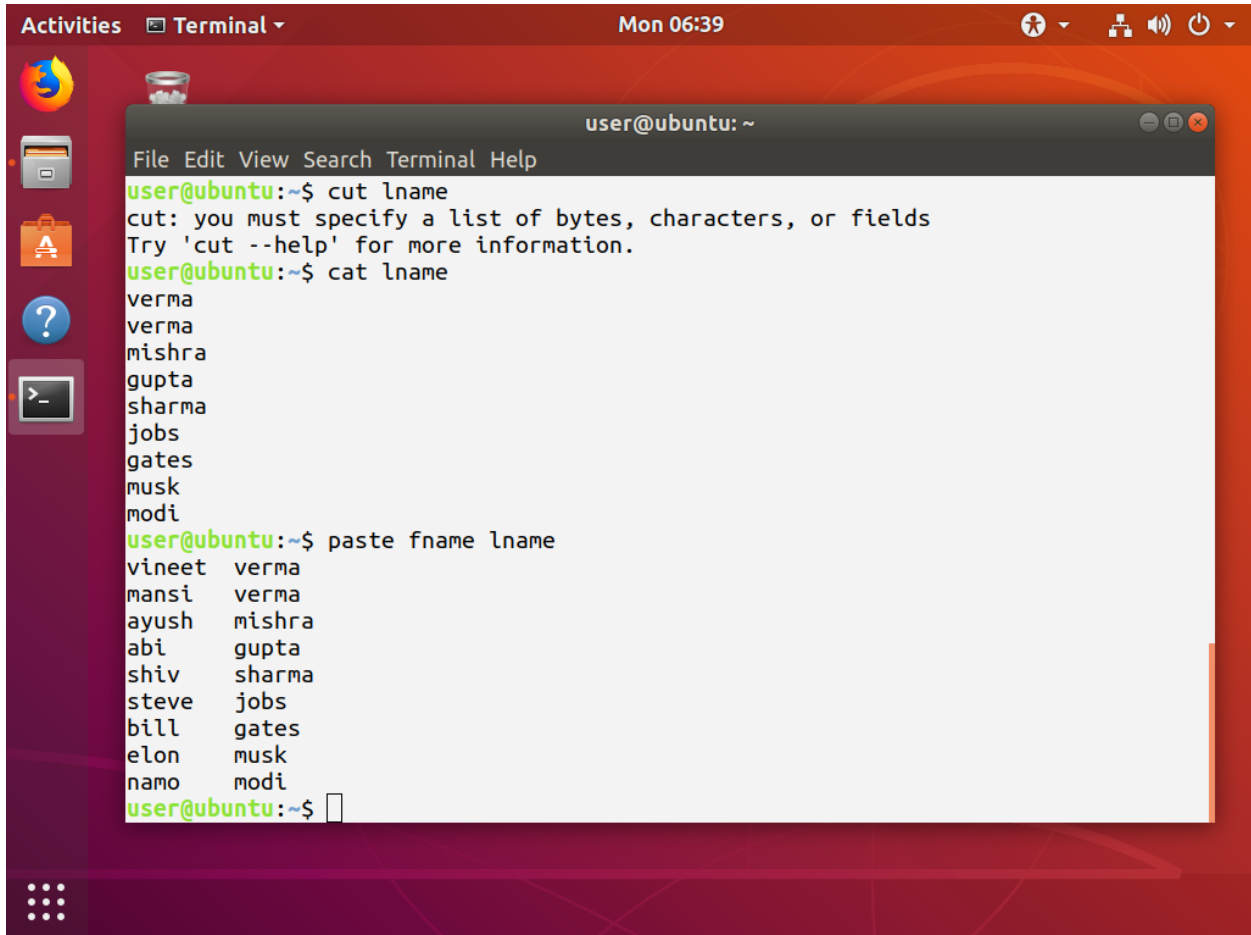
gates

musk

modi

user@ubuntu:~\$

3. use the paste command and paste the contents in a file which was cut.

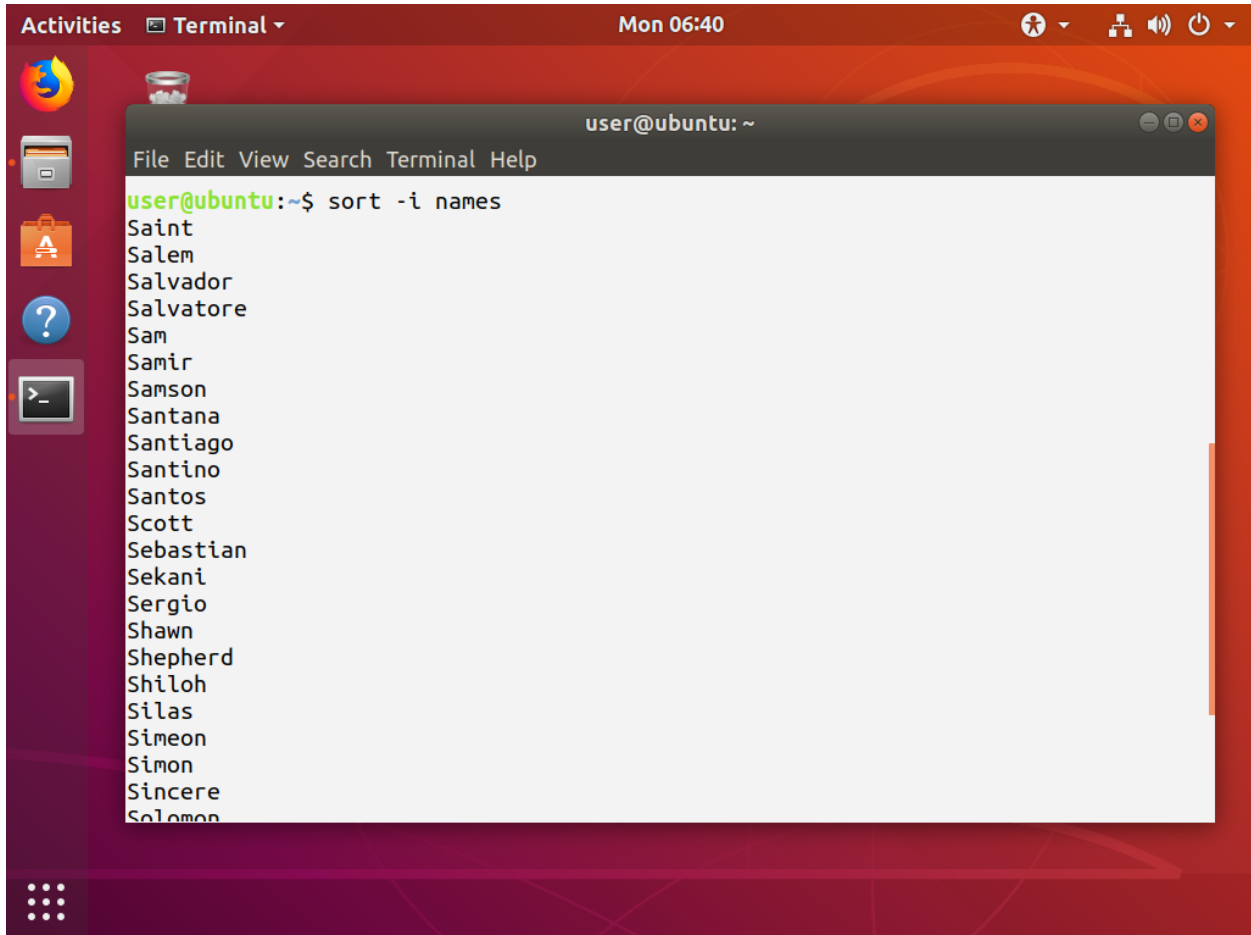


The image shows a terminal window titled "user@ubuntu: ~" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal output is as follows:

```
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:~$
```

The terminal window is part of a desktop environment with a red background. On the left, there is a sidebar with icons for "Activities", "Terminal", and other applications. The top of the window shows the system clock as "Mon 06:39" and various system status icons.

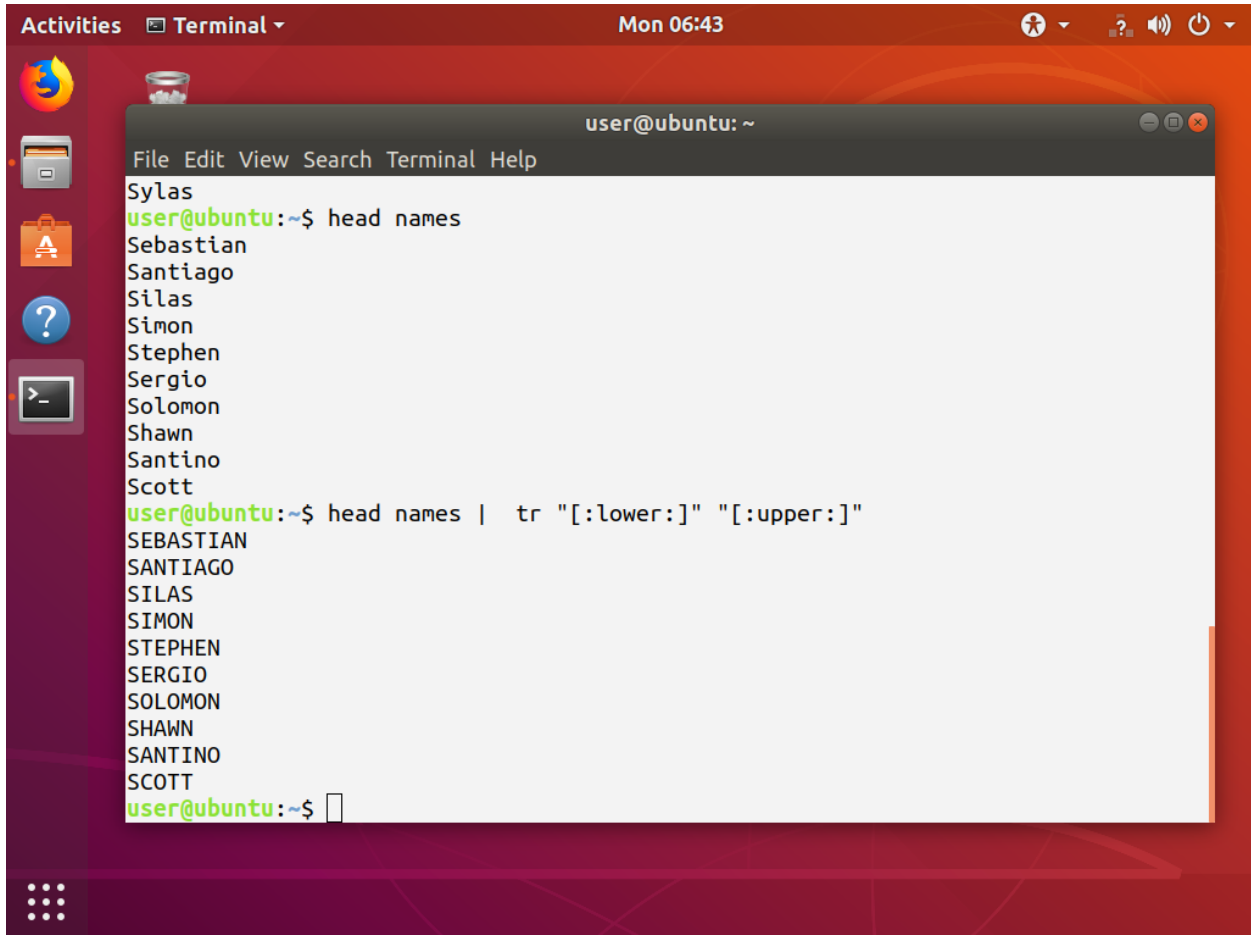
4. is sort case sensitive or not. if it is case sensitive how to resolve it with an option.



The screenshot shows a terminal window titled "user@ubuntu: ~" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal displays the command `sort -i names` and its output, which is a list of names sorted in ascending order. The names are: Saint, Salem, Salvador, Salvatore, Sam, Samir, Samson, Santana, Santiago, Santino, Santos, Scott, Sebastian, Sekani, Sergio, Shawn, Shepherd, Shiloh, Silas, Simeon, Simon, Sincere, and Solomon. The terminal window is open on a desktop with a red background and a sidebar on the left containing icons for the Dash, Home, and Applications menus.

```
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
```

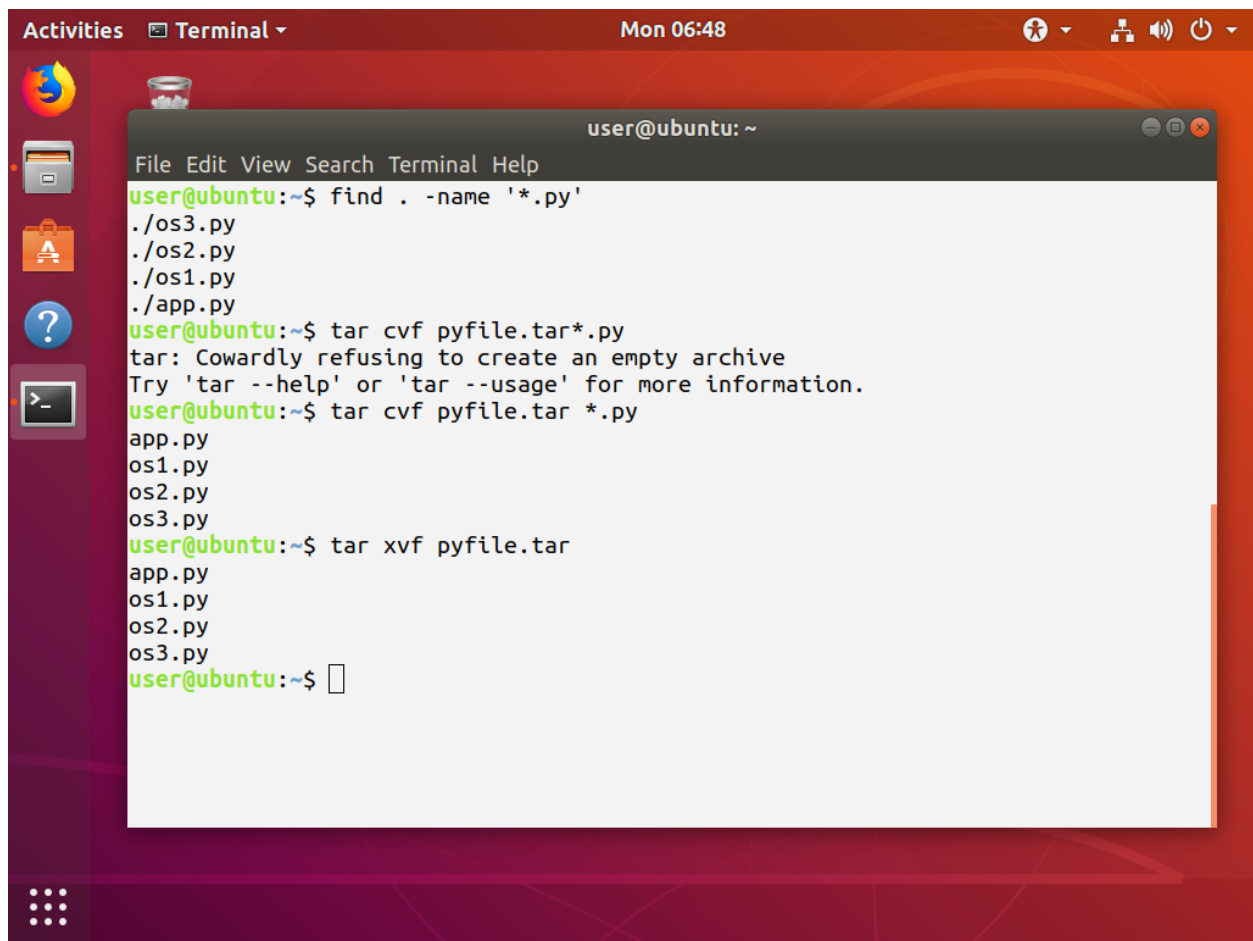
5. convert all the text to upper case by using tr command



The screenshot shows an Ubuntu desktop environment with a terminal window open. The terminal window has a title bar that says "user@ubuntu: ~". Inside the terminal, the user has entered the command `head names`, which outputs a list of names: Syllas, Sebastian, Santiago, Silas, Simon, Stephen, Sergio, Solomon, Shawn, Santino, and Scott. The user then enters the command `head names | tr "[:lower:]" "[:upper:]"`, which outputs the same list of names in all uppercase: SEBASTIAN, SANTIAGO, SILAS, SIMON, STEPHEN, SERGIO, SOLOMON, SHAWN, SANTINO, and SCOTT. The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The desktop background is a red and orange gradient. On the left side, there is a vertical dock with icons for the Dash, Home Folder, Applications, Dash, and a terminal icon. The top of the screen shows the "Activities" menu, the "Terminal" window title, the date and time "Mon 06:43", and system status icons for network, sound, and power.

```
user@ubuntu: ~  
File Edit View Search Terminal Help  
Syllas  
user@ubuntu:~$ head names  
Sebastian  
Santiago  
Silas  
Simon  
Stephen  
Sergio  
Solomon  
Shawn  
Santino  
Scott  
user@ubuntu:~$ head names | tr "[:lower:]" "[:upper:]"  
SEBASTIAN  
SANTIAGO  
SILAS  
SIMON  
STEPHEN  
SERGIO  
SOLOMON  
SHAWN  
SANTINO  
SCOTT  
user@ubuntu:~$
```


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

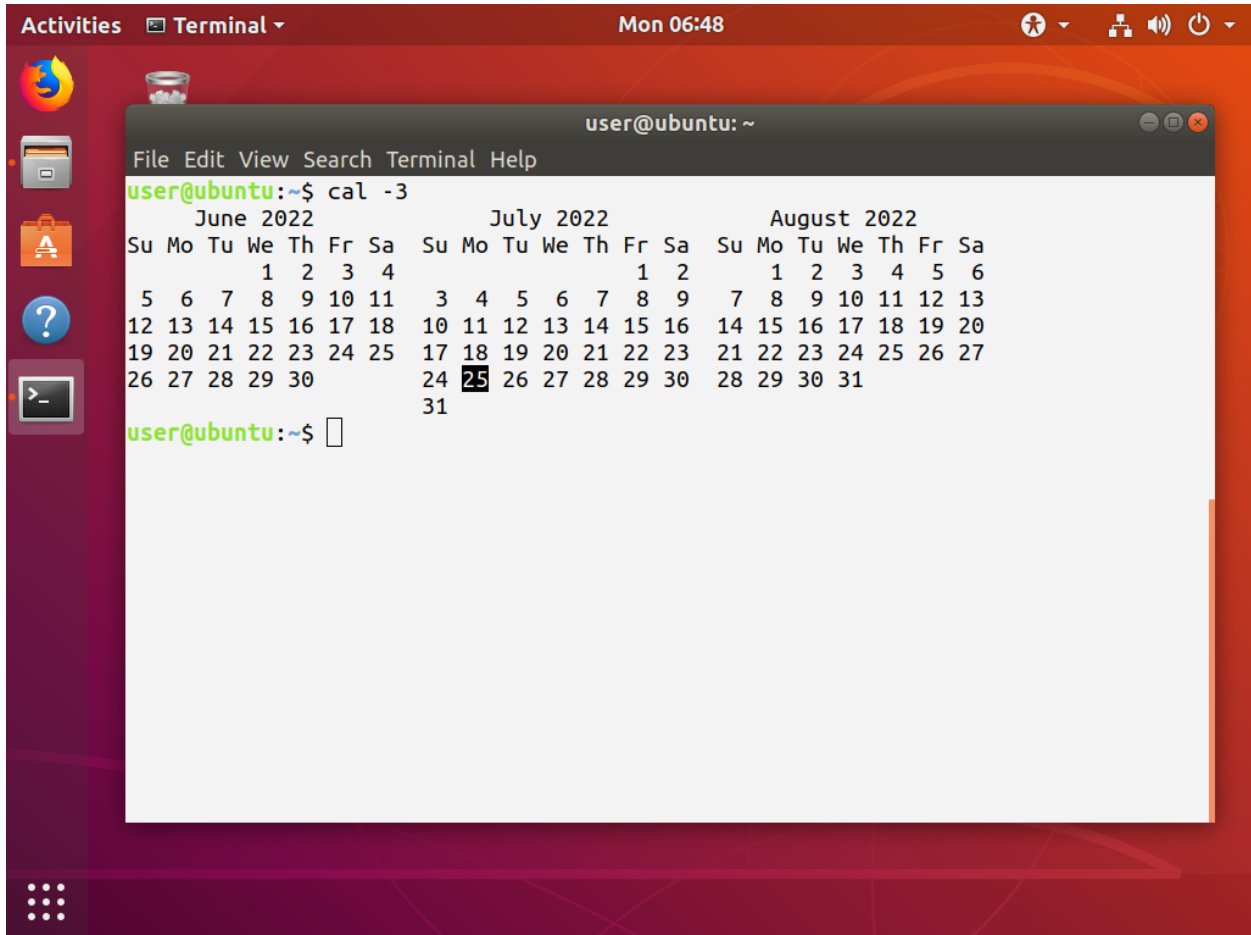


The screenshot shows a terminal window titled "user@ubuntu: ~" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal displays the following commands and output:

```
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:~$
```

The terminal window is part of a desktop environment with a red background. On the left, there is a vertical dock with icons for Firefox, a file manager, a terminal, and a help icon. The top of the window shows the system status bar with "Activities", "Terminal", and the time "Mon 06:48".

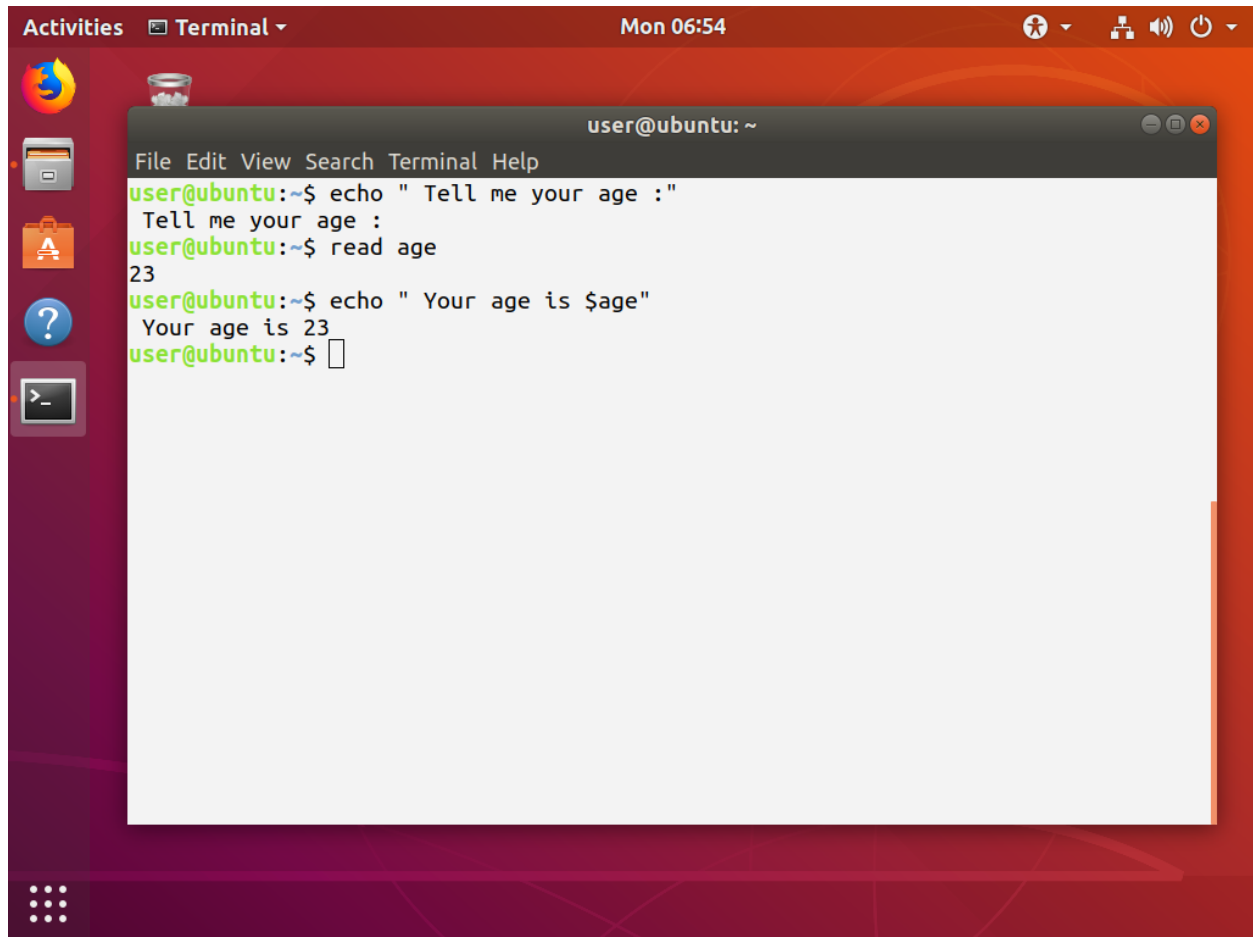
8. try with cal to display the previous the next and the current month.



```
user@ubuntu: ~  
File Edit View Search Terminal Help  
user@ubuntu:~$ cal -3  
      June 2022      July 2022      August 2022  
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa  
      1 2 3 4          1 2          1 2 3 4 5 6  
5 6 7 8 9 10 11    3 4 5 6 7 8 9    7 8 9 10 11 12 13  
12 13 14 15 16 17 18 10 11 12 13 14 15 16 14 15 16 17 18 19 20  
19 20 21 22 23 24 25 17 18 19 20 21 22 23 21 22 23 24 25 26 27  
26 27 28 29 30      24 25 26 27 28 29 30 28 29 30 31  
31  
user@ubuntu:~$
```

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

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

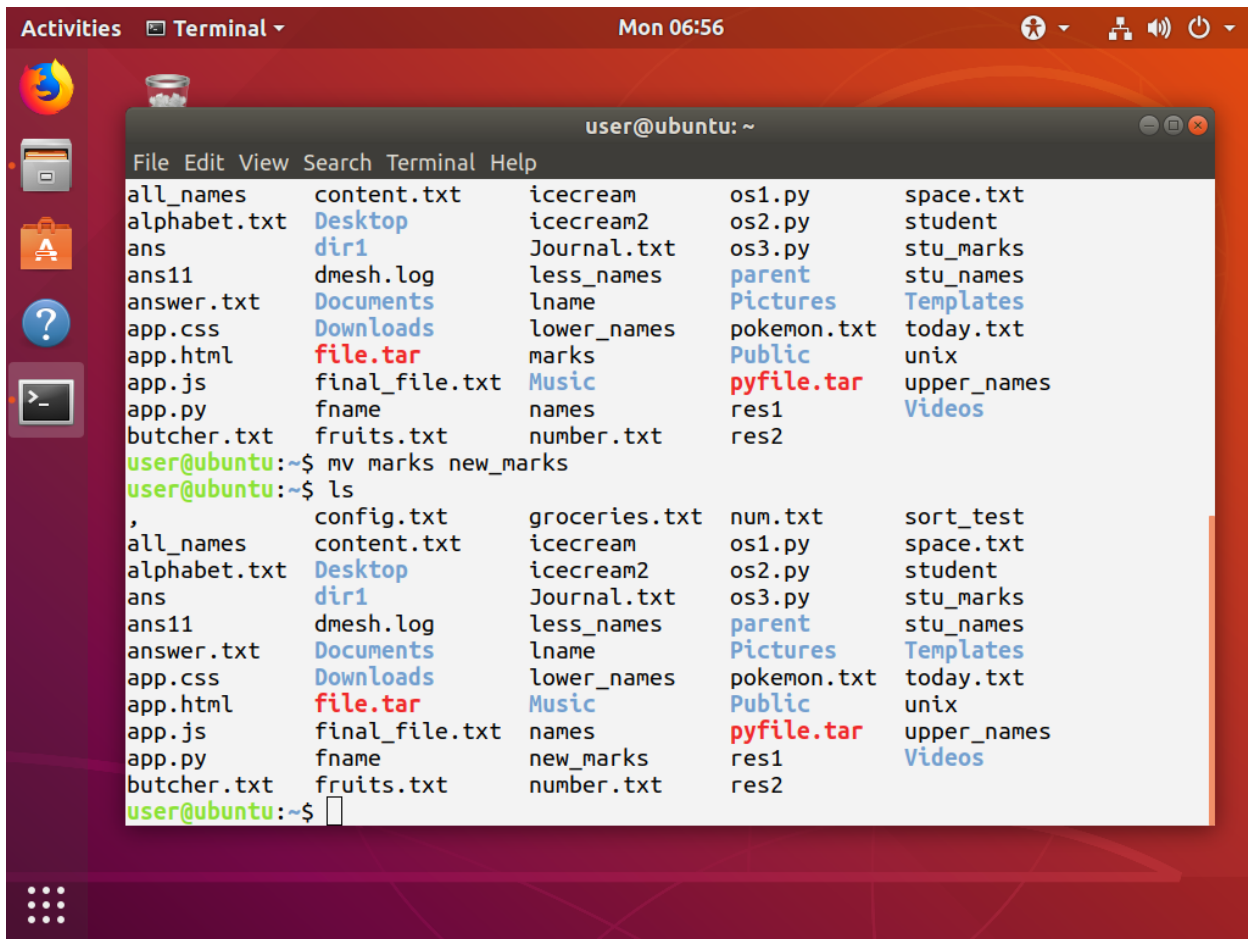


The screenshot shows a Linux desktop environment with a terminal window open. The terminal window has a title bar that says "user@ubuntu: ~". Inside the terminal, the following commands and output are visible:

```
File Edit View Search Terminal Help
user@ubuntu:~$ echo " Tell me your age : "
Tell me your age :
user@ubuntu:~$ read age
23
user@ubuntu:~$ echo " Your age is $age"
Your age is 23
user@ubuntu:~$
```

The terminal window is part of a desktop environment with a red and orange theme. The top bar shows "Activities", "Terminal", and the time "Mon 06:54". The left sidebar contains icons for the Dash, Home, and Applications menus, as well as a search icon. The bottom of the screen shows a dock with icons for the Dash, Home, and Applications menus, and a search icon.

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



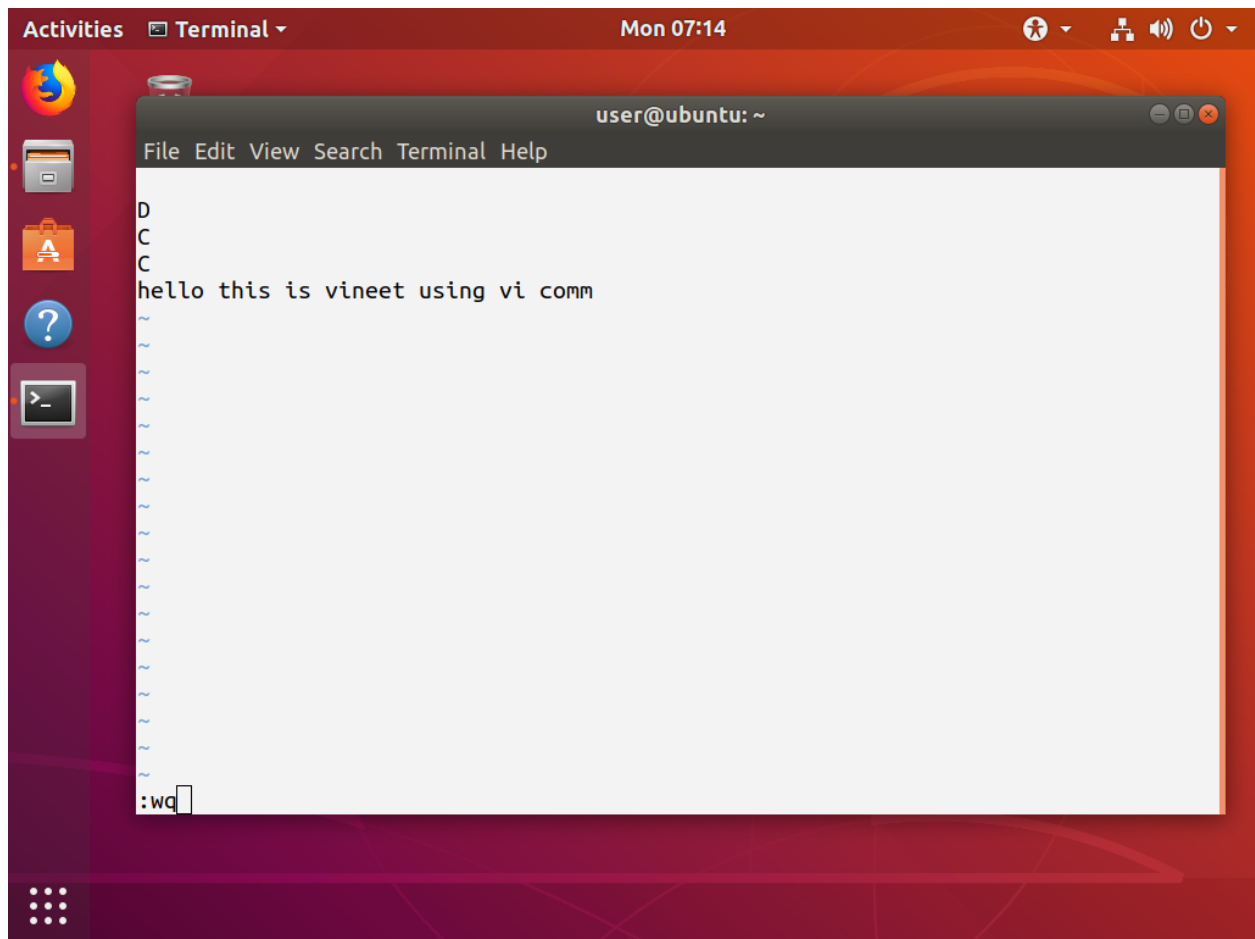
The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "user@ubuntu: ~". The terminal displays a list of files and directories in the current directory, followed by a command to rename a folder and a subsequent listing of the directory.

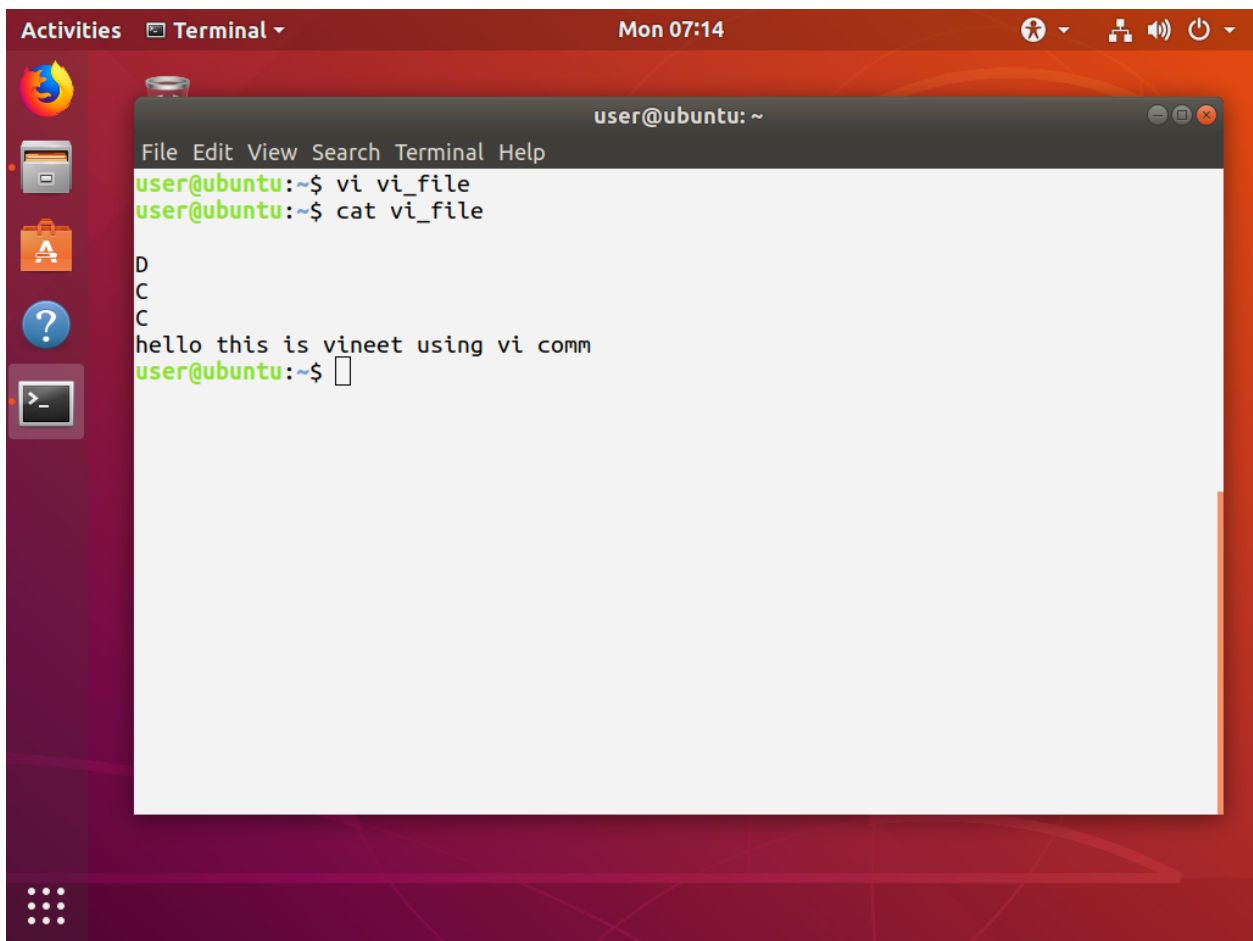
```
File Edit View Search Terminal Help
all_names      content.txt    icecream      os1.py        space.txt
alphabet.txt   Desktop       icecream2     os2.py        student
ans            dir1          Journal.txt   os3.py        stu_marks
ans11          dmesh.log     less_names    parent        stu_names
answer.txt     Documents     lname         Pictures      Templates
app.css        Downloads     lower_names   pokemon.txt   today.txt
app.html       file.tar      marks         Public        unix
app.js         final_file.txt Music         pyfile.tar    upper_names
app.py         fname        names         res1          Videos
butcher.txt    fruits.txt    number.txt    res2

user@ubuntu:~$ mv marks new_marks
user@ubuntu:~$ ls
,              config.txt    groceries.txt num.txt        sort_test
all_names      content.txt    icecream      os1.py        space.txt
alphabet.txt   Desktop       icecream2     os2.py        student
ans            dir1          Journal.txt   os3.py        stu_marks
ans11          dmesh.log     less_names    parent        stu_names
answer.txt     Documents     lname         Pictures      Templates
app.css        Downloads     lower_names   pokemon.txt   today.txt
app.html       file.tar      Music         Public        unix
app.js         final_file.txt names         pyfile.tar    upper_names
app.py         fname        new_marks     res1          Videos
butcher.txt    fruits.txt    number.txt    res2

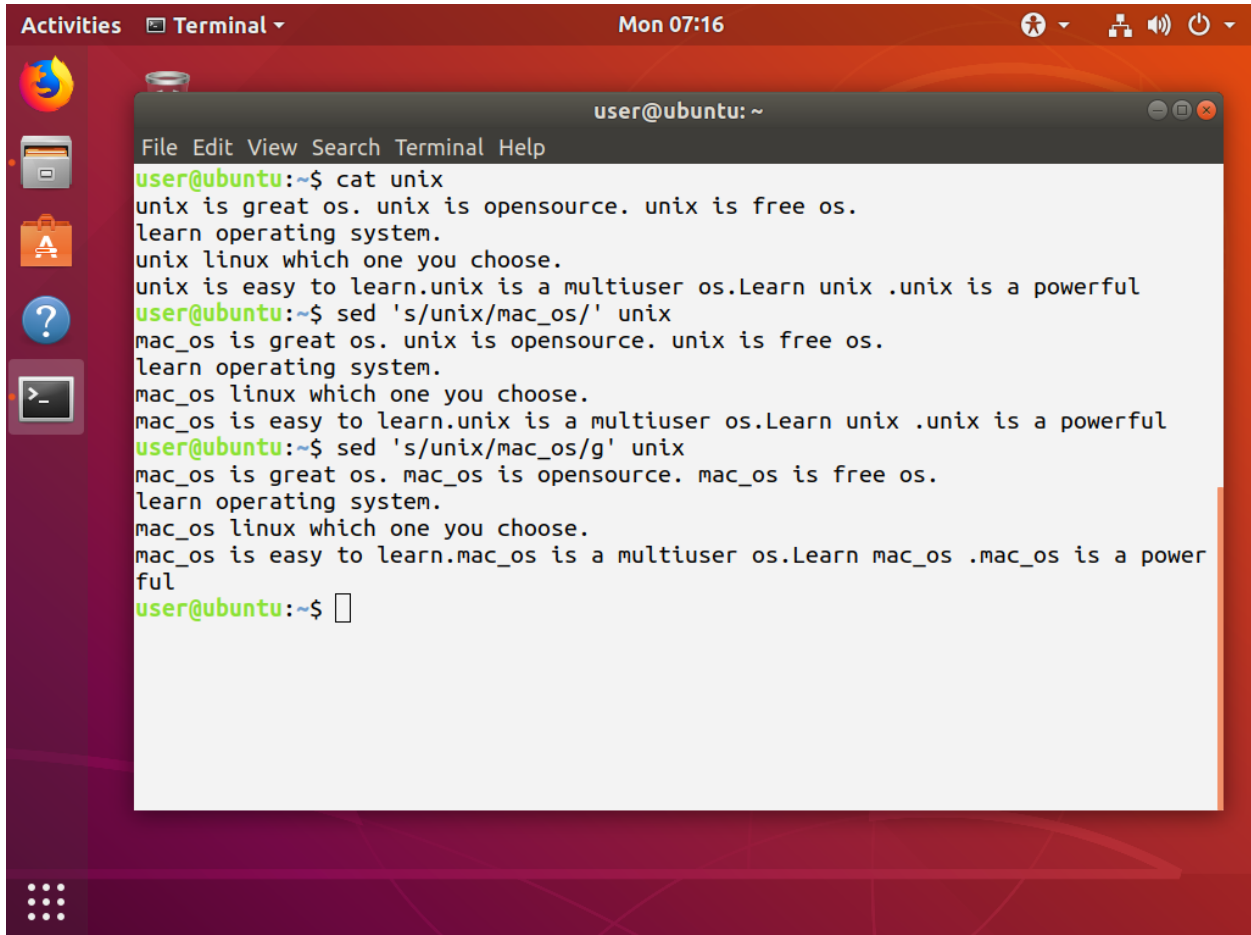
user@ubuntu:~$
```

12. Work with Vi editor commands





13. Work with all the options of sed command



```
Activities  Terminal  Mon 07:16

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:~$
```