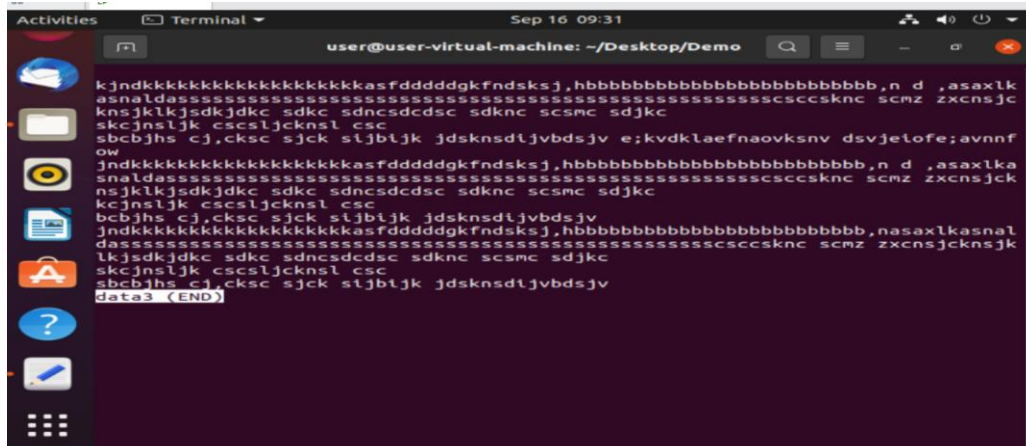


1. Less Data

Less command is linux utility which can be used to **read contents of text file one page (one screen) per time.**

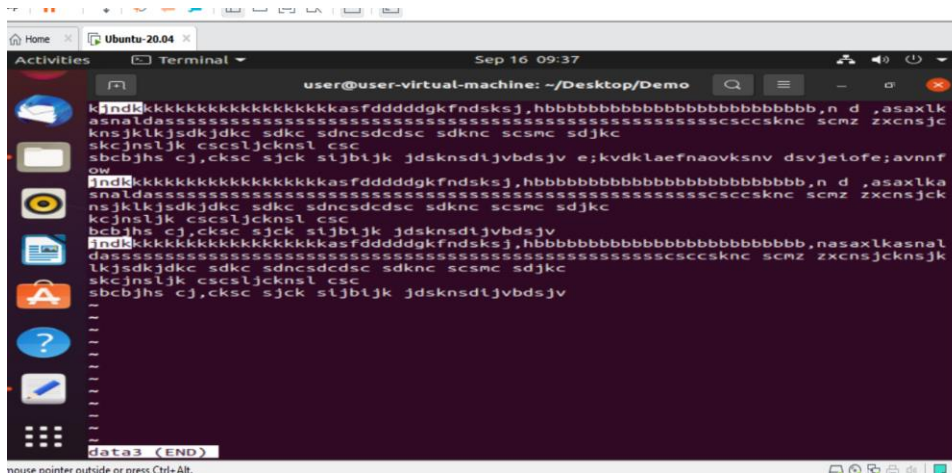
It has faster access because if file is large, it don't access complete file, but access it page by page.



```
user@user-virtual-machine: ~/Desktop/Demo
k jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlk
asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
knsjklkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
skejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv e;kvdklaefnaovksnv dsvjelofe;avnnf
ow
jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlka
asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
nsjklkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
kejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv
jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,nasaxlkasnal
daaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
lkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
skejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv
data3 (END)
```

2. Less -p 'pattern' file_name

It displays the paragraphs that start with particular pattern

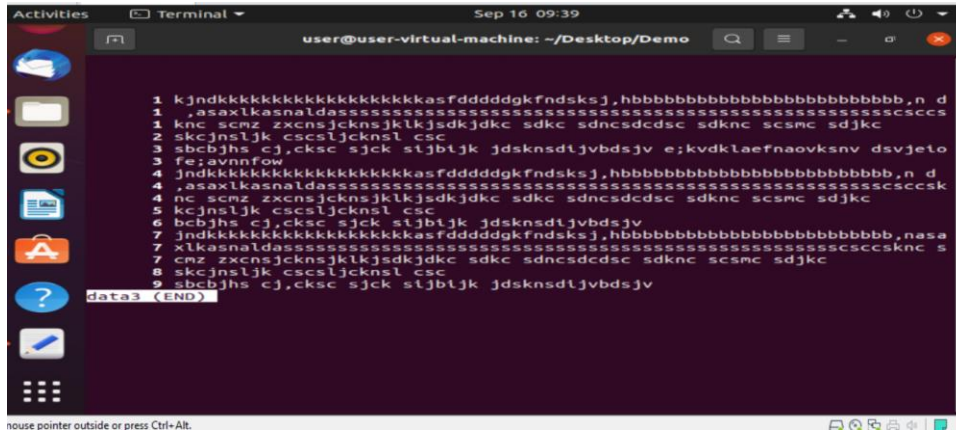


```
user@user-virtual-machine: ~/Desktop/Demo
k jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlk
asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
knsjklkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
skejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv e;kvdklaefnaovksnv dsvjelofe;avnnf
ow
jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlka
asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
nsjklkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
kejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv
jndkkkkkkkkkkkkkkkkkkkkasfdddddggkfnidsksj,hbbbbbbbbbbbbbbbbbbbbbb,nasaxlkasnal
daaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
lkjdsdkjdke sdke sdncsdcdsc sdnkc scsmc sdjke
skejnsli cscsljcknsl csc
sbcbjhs cj,cksc sjck stjbjk jdsksndtjvdsjv
data3 (END)
```

mouse pointer outside or press Ctrl+Alt.

3. Less -N file_name

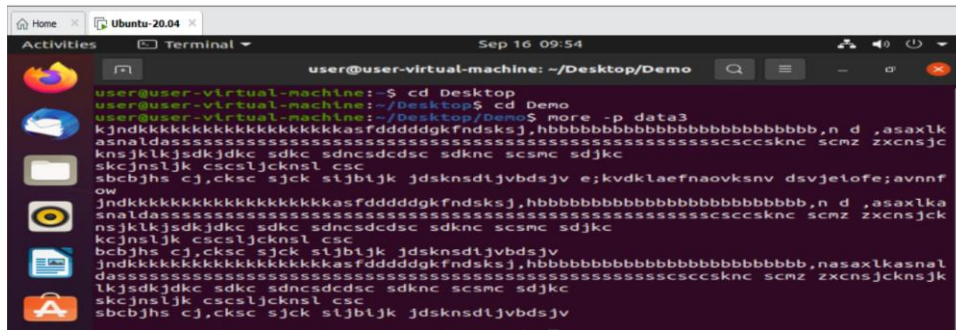
It displays each line with line numbers



```
1 kjndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,n d
2 ,asaxlkasnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
3 knc scnz zxcnsjcknsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
4 skcjsljk cscsljcknsl csc
5 sbcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv e;kvdklaefnaovksnv dsvjeto
6 fexavnnfow
7 jndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,n d
8 ,asaxlkasnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
9 nc scnz zxcnsjcknsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
10 kejsljk cscsljcknsl csc
11 bcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv
12 jndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,nasa
13 xlkasnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
14 cmz zxcnsjcknsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
15 skcjsljk cscsljcknsl csc
16 sbcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv
data3 (END)
```

4. more -p file_name

more command is used to view the text files and display one screen at a time in case the file is large.



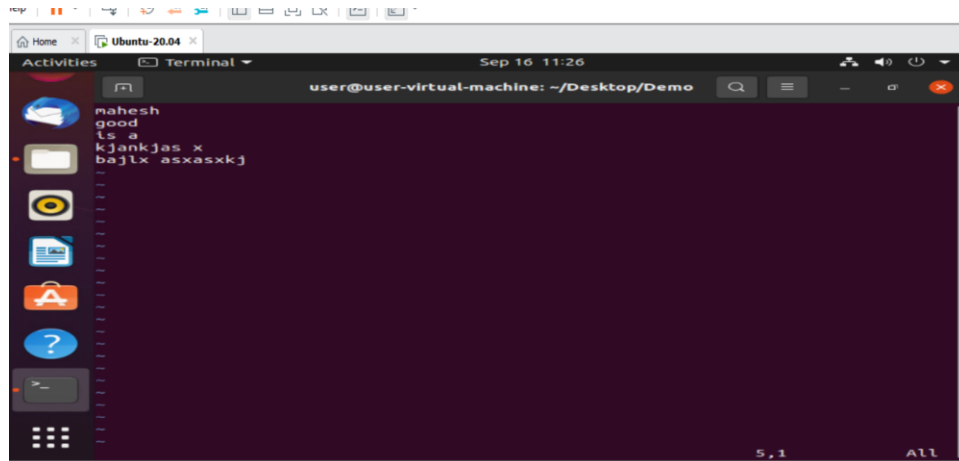
```
user@user-virtual-machine:~$ cd Desktop
user@user-virtual-machine:~/Desktop$ cd Demo
user@user-virtual-machine:~/Desktop/Demo$ more -p data3
1 kjndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlk
2 asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
3 knsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
4 skcjsljk cscsljcknsl csc
5 sbcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv e;kvdklaefnaovksnv dsvjeto
6 fexavnnfow
7 jndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,n d ,asaxlk
8 asnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
9 nsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
10 kejsljk cscsljcknsl csc
11 bcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv
12 jndkkkkkkkkkkkkkkkkasfdddddgkfndksj,hbbbbbbbbbbbbbbbbbbbbbb,nasa
13 xlkasnaldaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
14 cmz zxcnsjcknsjklkjjdkc sdke sdncsdcdsc sdnc scsmc sdjke
15 skcjsljk cscsljcknsl csc
16 sbcbjhs cj,cksc sjck sljbijk jdsksndijvdsjv
```

5. more -s file_name

more command is used to view the text files and display one screen at a time in case the file is large without spaces.

8.Delete d

This command Deletes line by line

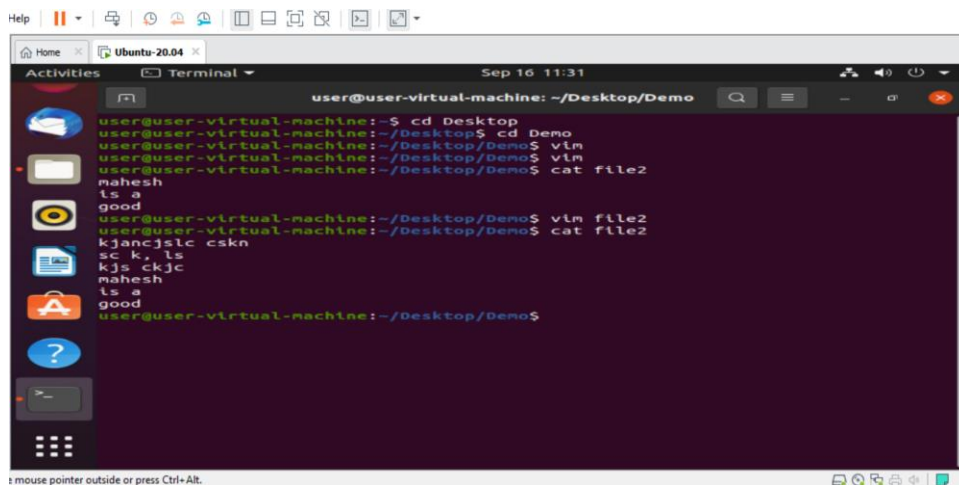


The screenshot shows a terminal window titled 'user@user-virtual-machine: ~/Desktop/Demo'. The prompt is 'user@user-virtual-machine:~/Desktop/Demo\$'. The user has entered the following commands and their outputs:

```
user@user-virtual-machine:~/Desktop/Demo$ cat file1
mahesh
good
is a
kjankjas x
bajlx asxasxkj
user@user-virtual-machine:~/Desktop/Demo$ d
5,1
All
```

9.cat filename

This command helps to display content of the file

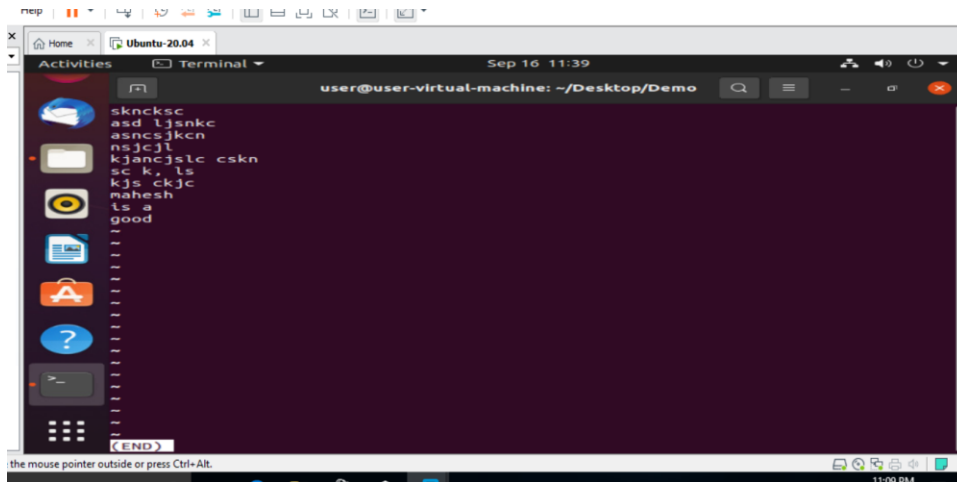


The screenshot shows a terminal window titled 'user@user-virtual-machine: ~/Desktop/Demo'. The prompt is 'user@user-virtual-machine:~/Desktop/Demo\$'. The user has entered the following commands and their outputs:

```
user@user-virtual-machine:~/Desktop/Demo$ cd Desktop
user@user-virtual-machine:~/Desktop$ cd Demo
user@user-virtual-machine:~/Desktop/Demo$ vim
user@user-virtual-machine:~/Desktop/Demo$ cat file2
mahesh
is a
good
user@user-virtual-machine:~/Desktop/Demo$ vim file2
user@user-virtual-machine:~/Desktop/Demo$ cat file2
kjancjslc cskn
sc k, is
kjs ckjc
mahesh
is a
good
user@user-virtual-machine:~/Desktop/Demo$
```

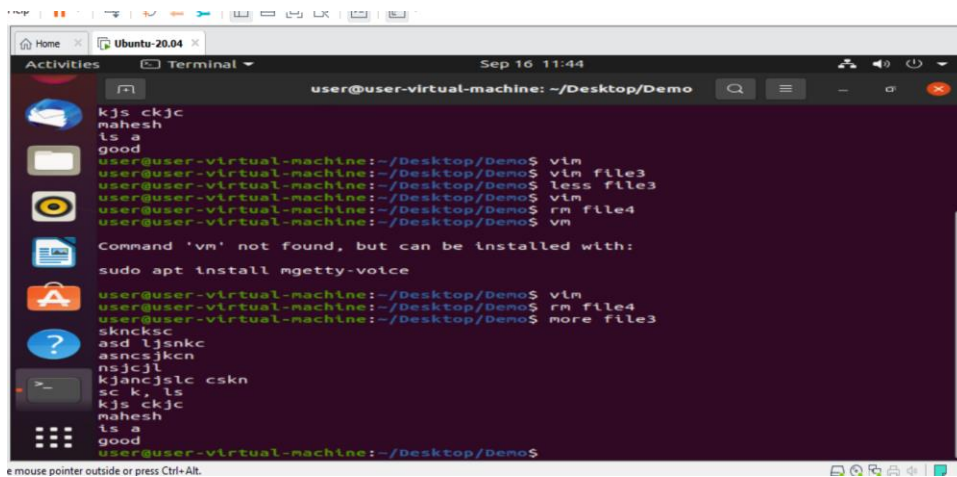
10.less Filename

This command helps to display data



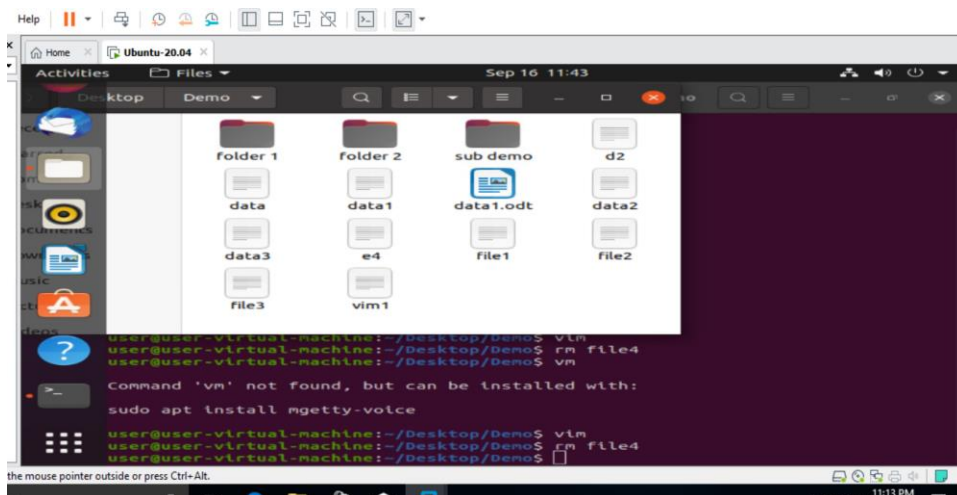
11. More filename

This command helps to display data



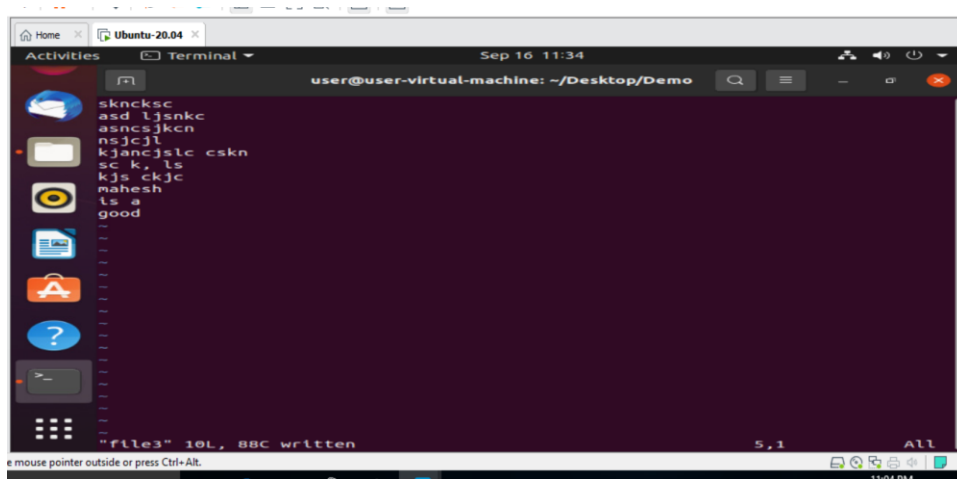
12. rm filename

This command helps to remove the filename



13. Copy

This command helps to display content that is copied from one file to other file

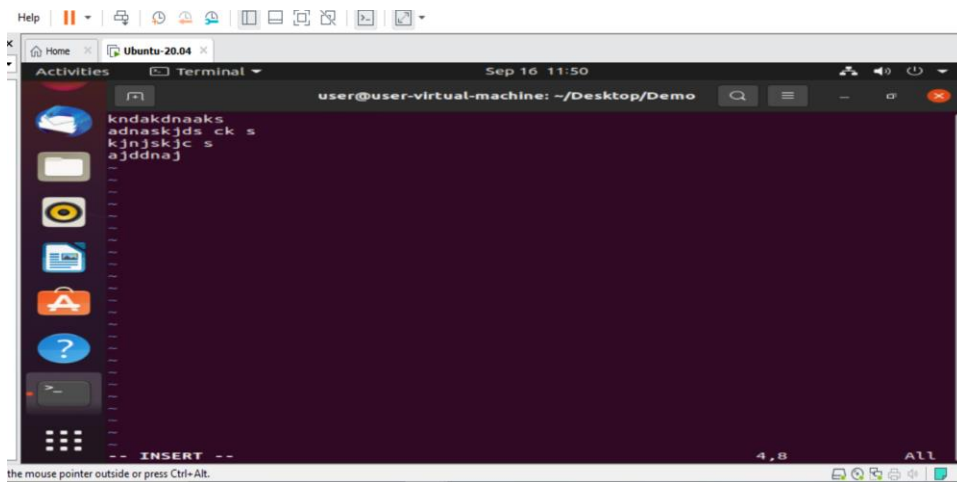
A terminal window titled 'Terminal' with the prompt 'user@user-virtual-machine: ~/Desktop/Demo'. The terminal displays the following text:

```
skncksc  
asd ljsnkc  
asncsjken  
nsjckjl  
kjancksic eskn  
sc k, is  
kjs ckjc  
mahesh  
is a  
good
```

At the bottom of the terminal, a status bar shows '"file3" 10L, 88C written' and '5,1 ALL'. The system tray at the bottom indicates the time as 11:01 PM.

14.Insert

This commands help to insert content

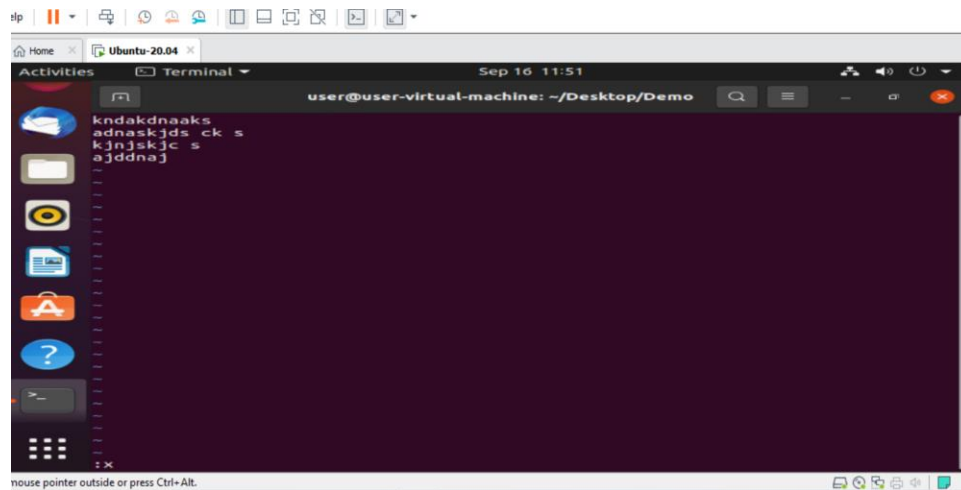
A terminal window titled 'Terminal' with the prompt 'user@user-virtual-machine: ~/Desktop/Demo'. The terminal displays the following text:

```
kndakdnaaks  
adnaskjds ck s  
kijnjskjc s  
ajddnaj
```

At the bottom of the terminal, a status bar shows '-- INSERT --' and '4,8 ALL'. The system tray at the bottom indicates the time as 11:01 PM.

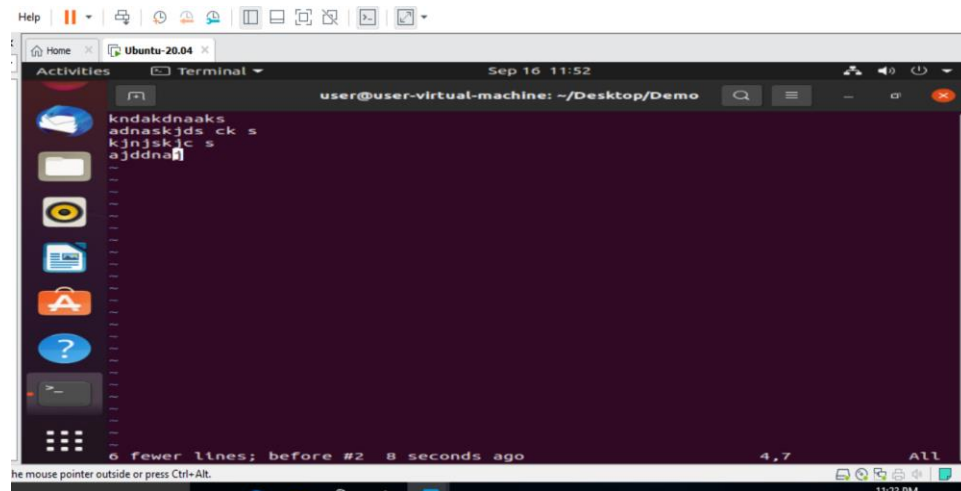
15. :x command

This commands help to save data and exit the file



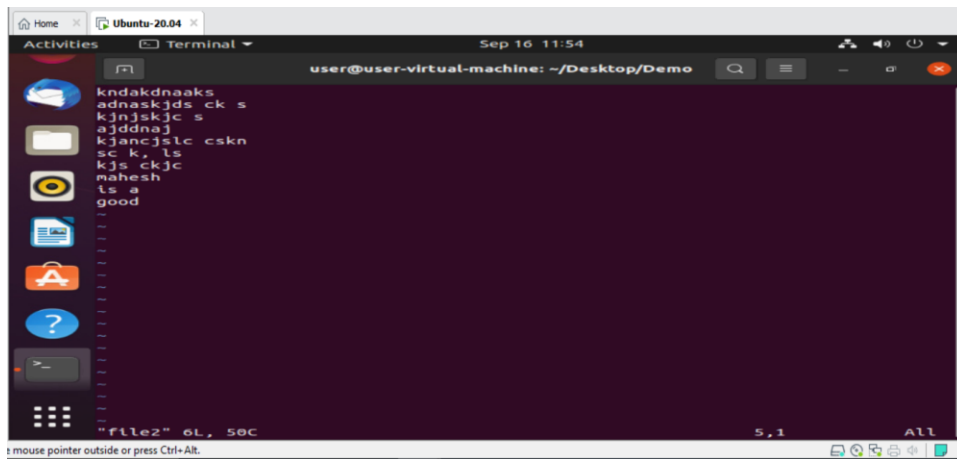
16.undo command

This command helps to go to onestep backwards



17. :r command





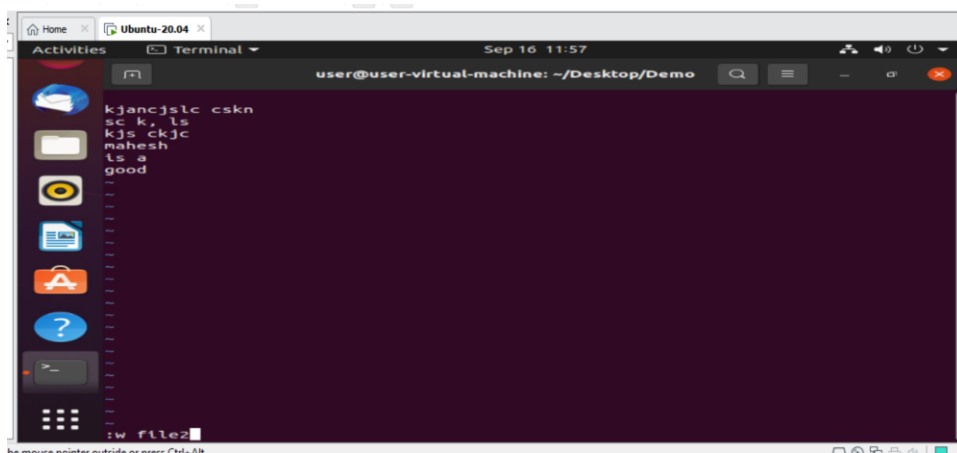
A terminal window titled "Terminal" with the prompt "user@user-virtual-machine: ~/Desktop/Demo". The output of the 'cat' command is displayed as follows:

```
kndakdnaaks
adnaskjds ck s
kjdnskjc s
ajddnaj
kjdncjslc cskn
sc k, ls
kjs ckjc
mahesh
ls a
good
```

The status bar at the bottom shows "5,1" and "All".

18. :w command

This command



A terminal window titled "Terminal" with the prompt "user@user-virtual-machine: ~/Desktop/Demo". The output of the ':w file2' command is displayed as follows:

```
kjdncjslc cskn
sc k, ls
kjs ckjc
mahesh
ls a
good
```

The status bar at the bottom shows "5,1" and "All".

19. Head filename

This command give first 10 lines of the file


```
user@user-virtual-machine: ~/Desktop/Demo$ head file4
head: cannot open 'file4' for reading: No such file or directory
user@user-virtual-machine: ~/Desktop/Demo$ head file2
kjcncjcl cskn
sc k, ls
kjc ckjc
ls a
good
kncks
asnaksns
ad ajn
asnASJ
kjcncjcl cskn
sc k, ls
kjc ckjc
mahesh
ls a
good
kncks
asnaksns
ad ajn
asnASJ
user@user-virtual-machine: ~/Desktop/Demo$
```

20. Tail filename

This command give last 10 lines of the file

```
user@user-virtual-machine: ~/Desktop/Demo$ head file2
kjcncjcl cskn
sc k, ls
kjc ckjc
ls a
good
kncks
asnaksns
ad ajn
asnASJ
user@user-virtual-machine: ~/Desktop/Demo$ tail file2
mahesh
ls a
good
kncks
asnaksns
ad ajn
asnASJ
as jasn as
asjASX
AS ASKX
user@user-virtual-machine: ~/Desktop/Demo$
```

21.find command

It will display directory of the file in which it is present.

```
user@user-virtual-machine: ~/Desktop/Demo$ find . -type folder1
find: './type': No such file or directory
find: 'folder1': No such file or directory
user@user-virtual-machine: ~/Desktop/Demo$ find . -type folder1
find: Must separate multiple arguments to -type using: '.'
user@user-virtual-machine: ~/Desktop/Demo$ find . -name file2
find: './name': No such file or directory
user@user-virtual-machine: ~/Desktop/Demo$ find -name file2
./file2
user@user-virtual-machine: ~/Desktop/Demo$
```

22. :q!

This commands helps to quit without saving

[illegible]

```
ad ajn
asnASJ
as jasn as
asjASX
AS ASKX
user@user-virtual-machine:~/Desktop/Demo$ vim
user@user-virtual-machine:~/Desktop/Demo$ vim
user@user-virtual-machine:~/Desktop/Demo$ vim
user@user-virtual-machine:~/Desktop/Demo$
```

23. Rm

It removes the file that is created

The screenshot shows a terminal window with the following content:

```

user@user-virtual-machine:~/Desktop/demo$ ls
vm file4
user@user-virtual-machine:~/Desktop/demo$ rm file4
user@user-virtual-machine:~/Desktop/demo$ ls
Command 'vm' not found, but can be installed with:
sudo apt install mgetty-voice
user@user-virtual-machine:~/Desktop/demo$ ls
user@user-virtual-machine:~/Desktop/demo$ rm file4
user@user-virtual-machine:~/Desktop/demo$

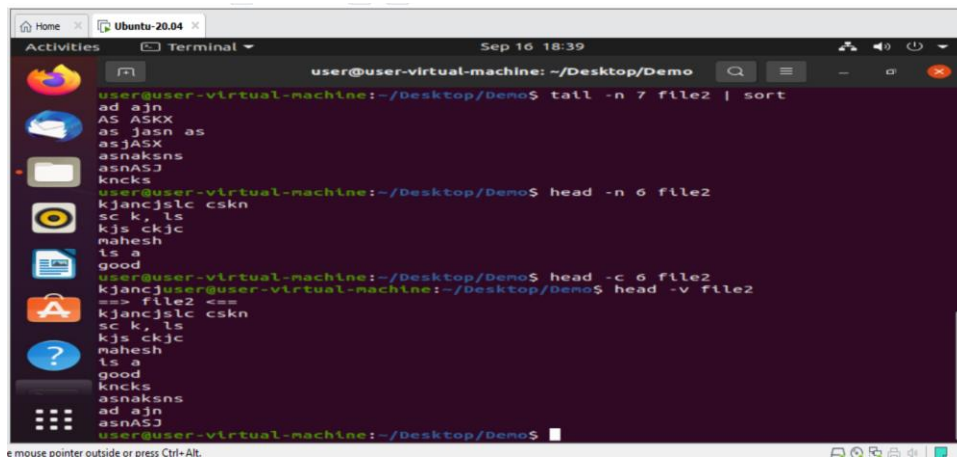
```

The terminal output shows the user navigating to the `~/Desktop/demo` directory, listing files, removing `file4`, and attempting to run `vm`. A message indicates that `vm` is not found but can be installed with `sudo apt install mgetty-voice`. The user then lists the directory again, removes `file4` again, and ends the session.

24. head -c no. Filename

25. head -v no. Filename

26. Head -n Filename

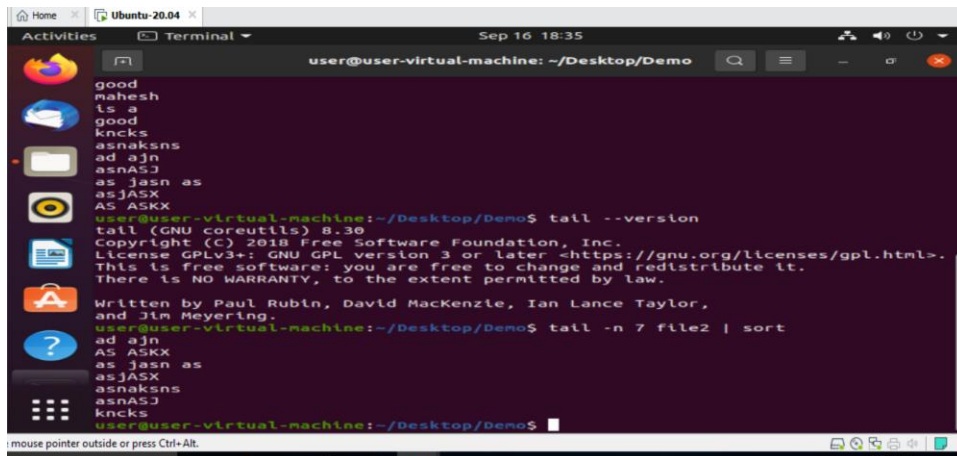


A terminal window titled 'Terminal' with the path 'user@user-virtual-machine: ~/Desktop/Demo'. The terminal shows the following commands and their outputs:

```
user@user-virtual-machine:~/Desktop/Demo$ tail -n 7 file2 | sort
ad ajn
AS ASKX
as jasn as
asjASX
asnaksns
asnASJ
kncks
user@user-virtual-machine:~/Desktop/Demo$ head -n 6 file2
kjancjslc cskn
sc k, is
kjs ckjc
mahesh
is a
good
user@user-virtual-machine:~/Desktop/Demo$ head -c 6 file2
kjancjslc cskn
user@user-virtual-machine:~/Desktop/Demo$ head -v file2
==== file2 ====
kjancjslc cskn
sc k, is
kjs ckjc
mahesh
is a
good
kncks
asnaksns
ad ajn
asnASJ
user@user-virtual-machine:~/Desktop/Demo$
```

27.tail --version

28. Tail -n no. filename | sort



A terminal window titled 'Terminal' with the path 'user@user-virtual-machine: ~/Desktop/Demo'. The terminal shows the following commands and their outputs:

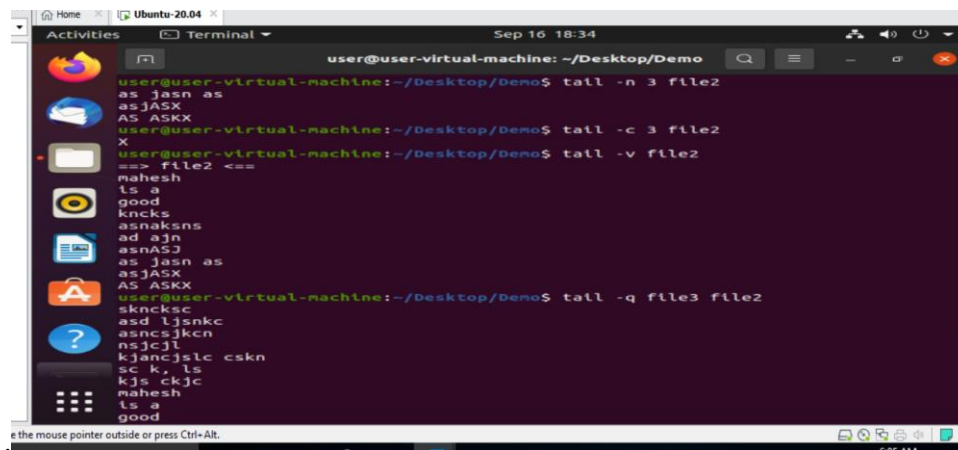
```
user@user-virtual-machine:~/Desktop/Demo$ tail --version
tail (GNU coreutils) 8.30
Copyright (C) 2018 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Written by Paul Rubin, David MacKenzie, Ian Lance Taylor,
and Jim Meyering.
user@user-virtual-machine:~/Desktop/Demo$ tail -n 7 file2 | sort
ad ajn
AS ASKX
as jasn as
asjASX
asnaksns
asnASJ
kncks
user@user-virtual-machine:~/Desktop/Demo$
```

29. Tail -n no. Filename

30. tail -c no. Filename

31. tail -v Filename

32. tail -q filename1 Filename2



The screenshot shows a terminal window titled "user@user-virtual-machine: ~/Desktop/Demo" with a timestamp of "Sep 16 18:34". The terminal displays the following commands and their outputs:

```
user@user-virtual-machine:~/Desktop/Demo$ tail -n 3 file2
as jasn as
asjASX
AS ASKX
user@user-virtual-machine:~/Desktop/Demo$ tail -c 3 file2
X
user@user-virtual-machine:~/Desktop/Demo$ tail -v file2
==> file2 <==
mahesh
ls a
good
kncks
asnaksns
ad ajn
asnASJ
as jasn as
asjASX
AS ASKX
user@user-virtual-machine:~/Desktop/Demo$ tail -q file3 file2
skncksc
asd ljsnkc
asnckjkc
nsjcjl
kjancjslc eskn
sc k, ls
kjs ckjc
mahesh
ls a
good
```

At the bottom of the terminal window, there is a small text prompt: "e the mouse pointer outside or press Ctrl+Alt."