NETWORKING & SYSTEM ADMINISTRATION LAB

Name: Sreelakshmi.R

Roll No:41

Batch:MCA S2B

Date:30-3-2022

Experiment No.: 4

Aim

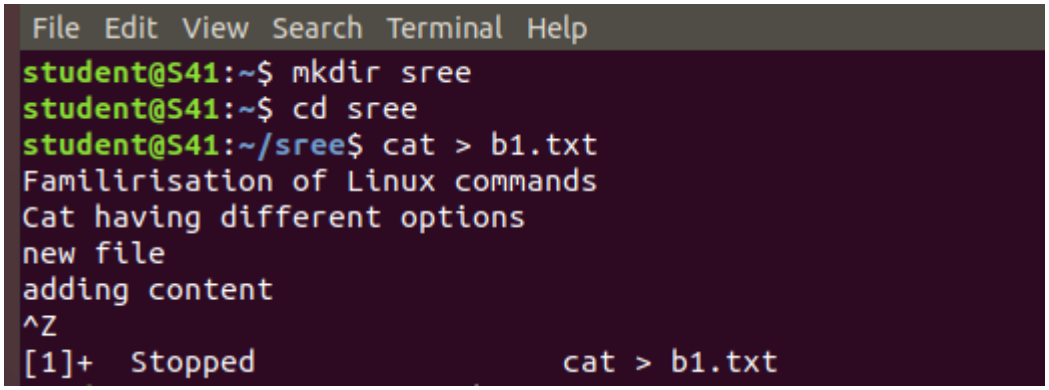
Familirization of Linux Commands.

Procedure

1. Cat > filename - Create a new file and add content to that file.

   $cat > b1.txt

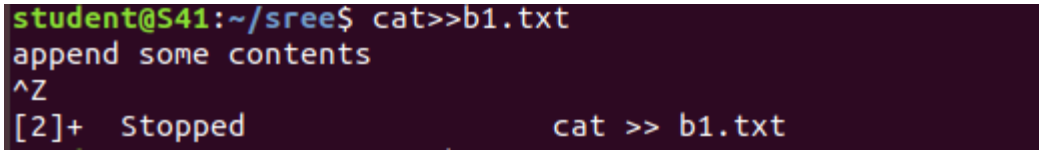
Output Screenshot



2. Cat >> filename - For additional information to that file.

   $cat >> b1.txt

Output Screenshot



3. Cat filename- To put the line numbers.

   $cat b1.txt

Output Screenshot

```
student@S41:~/sree$ cat b1.txt
Familirisation of Linux commands
Cat having different options
new file
adding content
append some contents
```

4. Cat file1 > file2 - To copy file content of one file to another file.

   $cat b1.txt > b2.txt
   $cat b2.txt

Output Screenshot

```
student@S41:~/sree$ cat b1.txt>b2.txt
student@S41:~/sree$ cat b2.txt
Familirisation of Linux commands
Cat having different options
new file
adding content
append some contents
```

5. Cat –n filename - Content with line number.

   $cat –n b1.txt

Output Screenshot

```
student@S41:~/sree$ cat -n b1.txt
     1  Familirisation of Linux commands
     2  Cat having different options
     3  new file
     4  adding content
     5  append some contents
```

6. Cat –b filename - Removing empty file and reordering the line number.

   $cat –b b1.txt

Output Screenshot

```
student@S41:~/sree$ cat -b b1.txt
     1  Familirisation of Linux commands
     2  Cat having different options
     3  new file
     4  adding content
     5  append some contents
```

7. Touch - Is used create an empty file.

   $touch b3.txt

Output Screenshot

```
student@S41:~/sree$ touch b3.txt
student@S41:~/sree$ echo hai this is a demo of touch command >>b3.txt
student@S41:~/sree$ cat b3.txt
hai this is a demo of touch command
```

8.head filename -Display firs 10 commands on the file.

   $head b1.txt

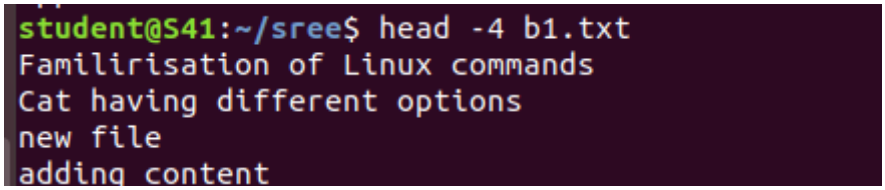
Output Screenshot

```
student@S41:~/sree$ head b1.txt
Familirisation of Linux commands
Cat having different options
new file
adding content
append some contents
```

9. head -4 filename - Display first 4 commands on the file.

$head -4 b1.txt

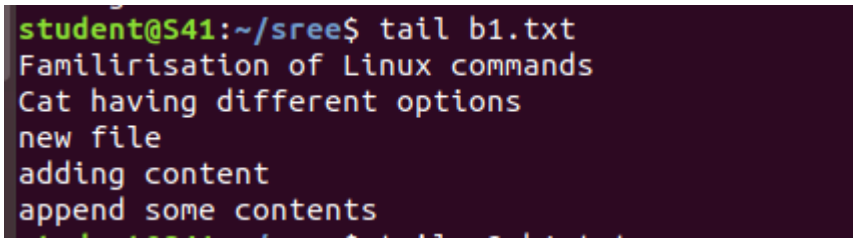
Output Screenshot



10. tail filename - Display last 10 commands of the file.

$tail b1.txt

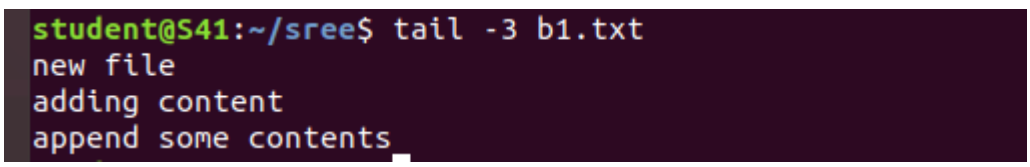
Output Screenshot



11. tail -3 filename - Last 3 lines are displayed.

$tail -3 b1.txt

Output Screenshot



12. Cat > filename - Create a new file and add content to that file.

$cat > b5.txt

Output Screenshot

```
student@S41:~/sree$ cat > b6.txt
english-45
maths-67
hindi-90
^Z
[4]+  Stopped                 cat > b6.txt
```

13. Cut - Cutting sections from each line of a file.

$cut –d- -f2 b5.txt

Output Screenshot

```
student@S41:~/sree$ cut -d- -f2 b6.txt
45
67
90
```

$cut –d- -f1 b5.txt

Output Screenshot

```
student@S41:~/sree$ cut -d- -f1 b6.txt
english
maths
hindi
```

14. Cat > filename - Create a new file and add content to that file.

$cat > marvel1

Output Screenshot

```
student@S41:~/sree$ cat > marvel1
captain america
hulk
thanos
groot
alladin
^Z
[5]+  Stopped                 cat > marvel1
```

15.Cat > filename - Create a new file and add content to that file.

$cat > marvel2

Output Screenshot

```
student@S41:~/sree$ cat > marvel2
anna
gamora
nibulla
^Z
[6]+  Stopped                 cat > marvel2
```

16.Paste- join files horizontally by outputting lines consisting of lines from each file

Specified, separated by tab as delimiter, to the standard output.

$paste marvel1 marvel2

Output Screenshot

```
student@S41:~/sree$ paste marvel1 marvel2
captain america anna
hulk    gamora
thanos  nibulla
groot
alladin
```

17. $paste marvel1 marvel2 > marvel3

$cat marvel3

Output Screenshot

```
student@S41:~/sree$ paste marvel1 marvel2 > marvel3
student@S41:~/sree$ cat marvel3
captain america anna
hulk    gamora
thanos  nibulla
groot
alladin
```

18.$paste –d '-' marvel1 marvel2

Output Screenshot

```
student@S41:~/sree$ paste -d '-' marvel1 marvel2
captain america-anna
hulk-gamora
thanos-nibulla
groot-
alladin -
```

19.$paste –d '%|' marvel1 marvel2 marvel3

Output Screenshot

```
student@S41:~/sree$ paste -d '%|' marvel1 marvel2 marvel3
captain america%anna|captain america    anna
hulk%gamora|hulk        gamora
thanos%nibulla|thanos   nibulla
groot%|groot
alladin %|alladin
```

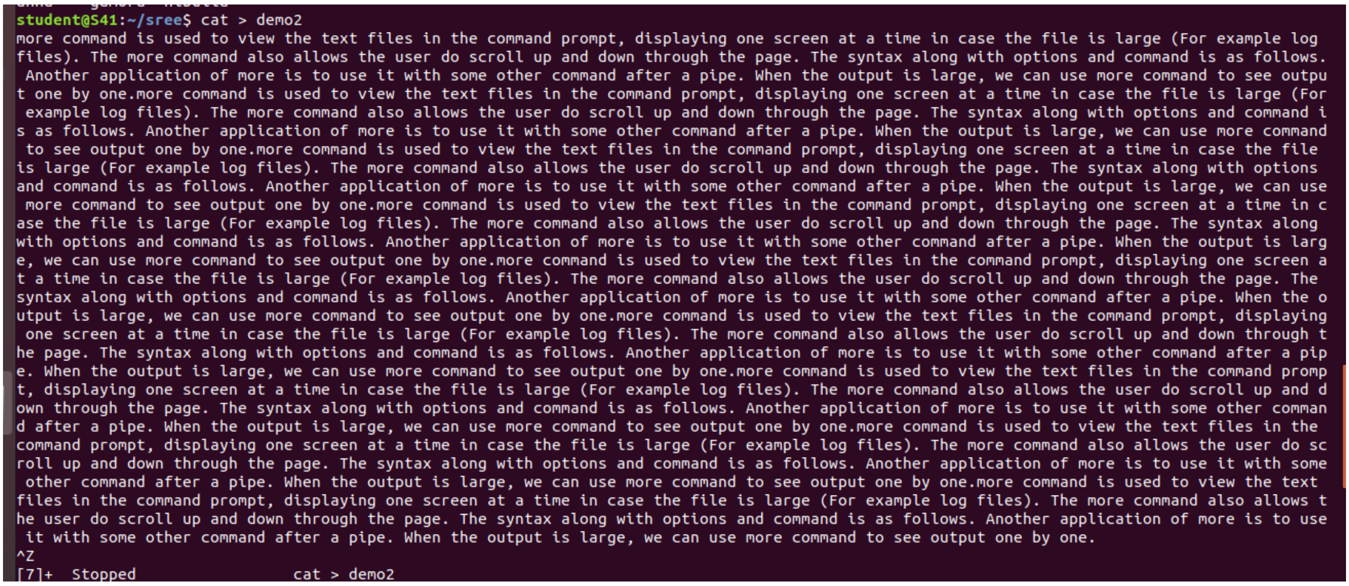
20.$paste –s marvel1 marvel2

Output Screenshot

```
student@S41:~/sree$ paste -s marvel1 marvel2
captain america hulk    thanos  groot   alladin
anna    gamora  nibulla
```

21. Cat > demo2

Output Screenshot



```
student@S41:~/sree$ cat > demo2
more command is used to view the text files in the command prompt, displaying one screen at a time in case the file is large (For example log
files). The more command also allows the user do scroll up and down through the page. The syntax along with options and command is as follows.
 Another application of more is to use it with some other command after a pipe. When the output is large, we can use more command to see outpu
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 it with some other command after a pipe. When the output is large, we can use more command to see output one by one.
^Z
[7]+  Stopped                 cat > demo2
```
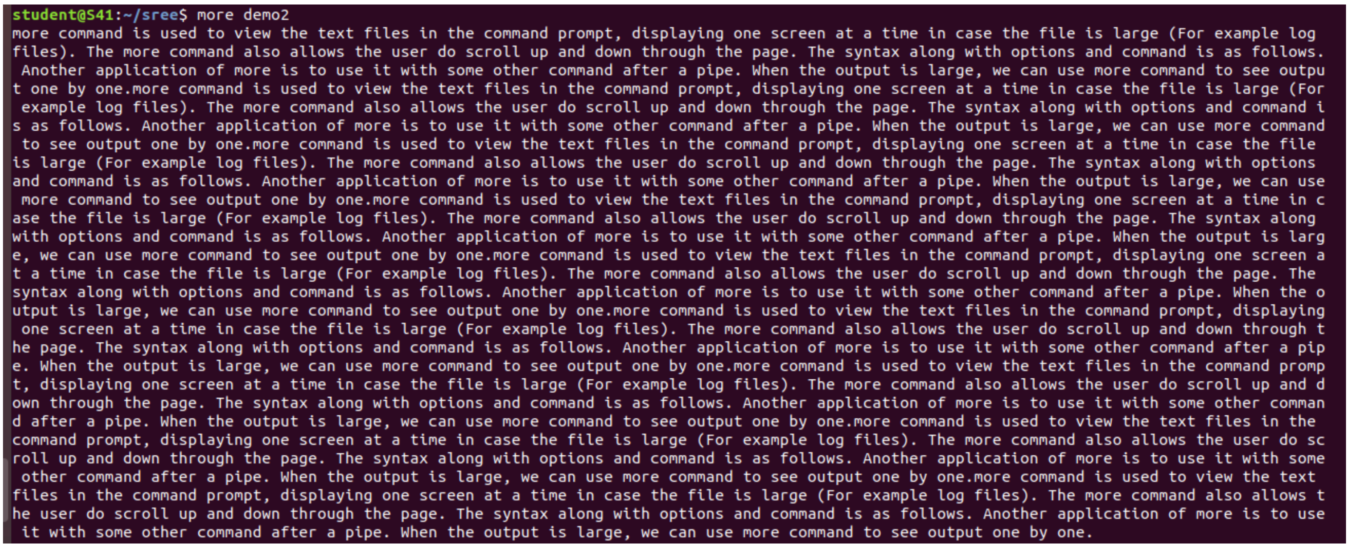

22. More demo2

Output Screenshot



```
student@S41:~/sree$ more demo2
more command is used to view the text files in the command prompt, displaying one screen at a time in case the file is large (For example log
files). The more command also allows the user do scroll up and down through the page. The syntax along with options and command is as follows.
 Another application of more is to use it with some other command after a pipe. When the output is large, we can use more command to see outpu
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 it with some other command after a pipe. When the output is large, we can use more command to see output one by one.
```
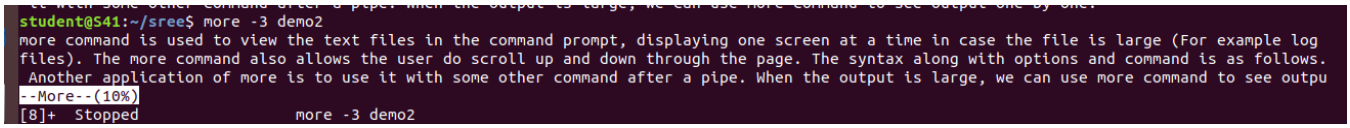
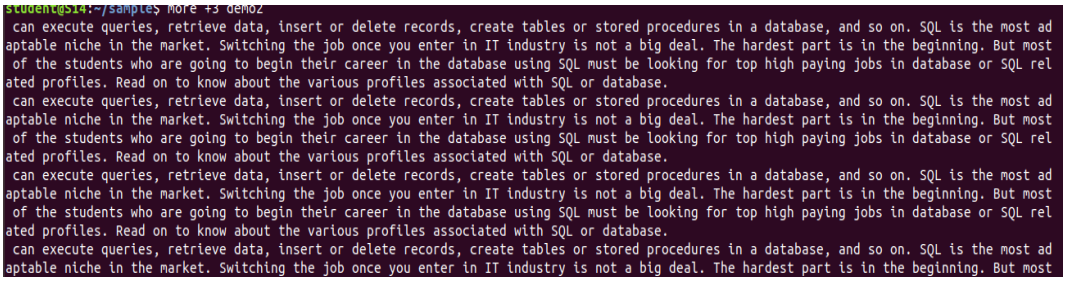

23. More -3 demo2

Output Screenshot



24. More +3 demo2

Output Screenshot



25.More –s demo2

Output Screenshot