

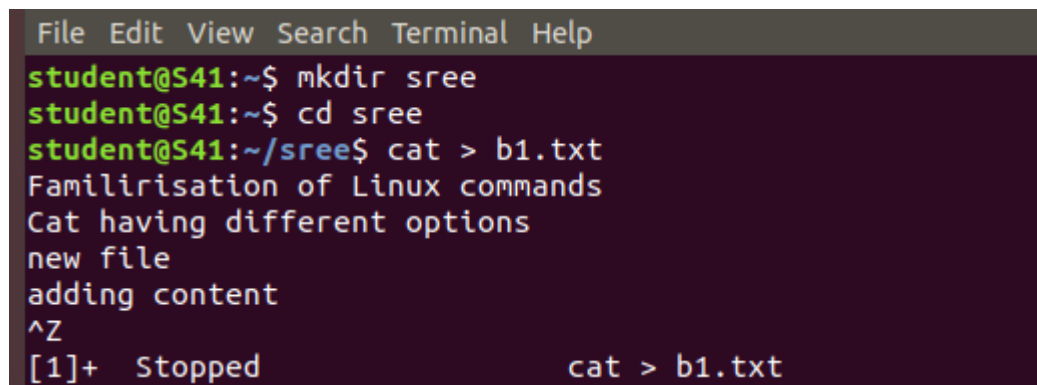
**NETWORKING & SYSTEM ADMINISTRATION LAB****Name: Sreelakshmi.R****Roll No:41****Batch:MCA S2B****Date:30-3-2022****Experiment No.: 4****Aim**

Familiarization of Linux Commands.

**Procedure**

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

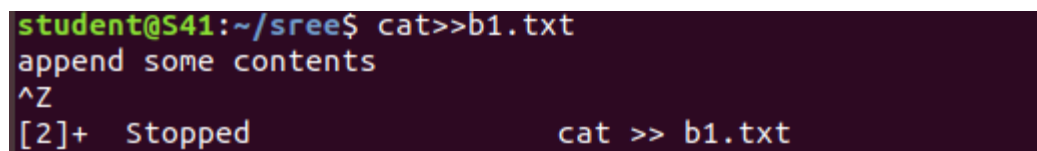
\$cat > b1.txt

**Output Screenshot**

```
File Edit View Search Terminal Help
student@S41:~$ mkdir sree
student@S41:~$ cd sree
student@S41:~/sree$ cat > b1.txt
Familiarisation of Linux commands
Cat having different options
new file
adding content
^Z
[1]+  Stopped                  cat > b1.txt
```

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

\$cat >> b1.txt

**Output Screenshot**

```
student@S41:~/sree$ cat>>b1.txt
append some contents
^Z
[2]+  Stopped                  cat >> b1.txt
```

3. Cat filename- To put the line numbers.

```
$cat b1.txt
```

### **Output Screenshot**

```
student@S41:~/sree$ cat b1.txt
Familiarisation 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
Familiarisation 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
```

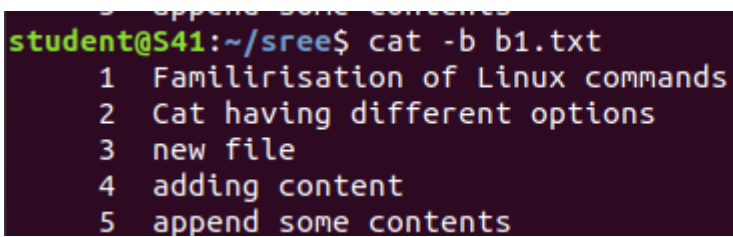
### **Output Screenshot**

```
student@S41:~/sree$ cat -n b1.txt
 1 Familiarisation 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

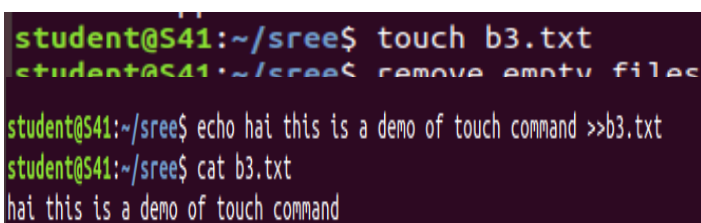


```
student@S41:~/sree$ cat -b b1.txt
 1 Familirisation of Linux commands
 2 Cat having different options
 3 new file
 4 adding content
 5 append some contents
```

## 7. Touch - Is used create an empty file.

```
$touch b3.txt
```

### Output Screenshot



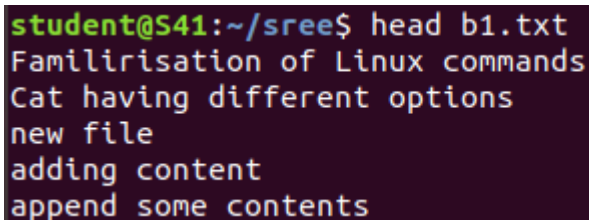
```
student@S41:~/sree$ touch b3.txt
student@S41:~/sree$ remove empty files

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

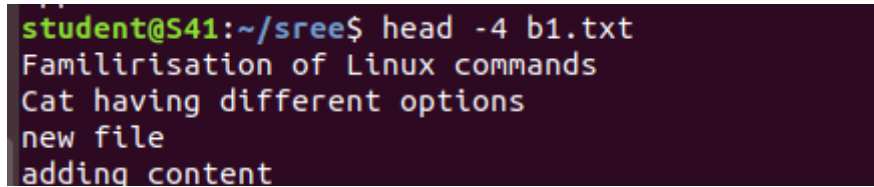


```
student@S41:~/sree$ head b1.txt
Familirisation of Linux commands
Cat having different options
new file
adding content
append some contents
```

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

```
$head -4 b1.txt
```

### **Output Screenshot**

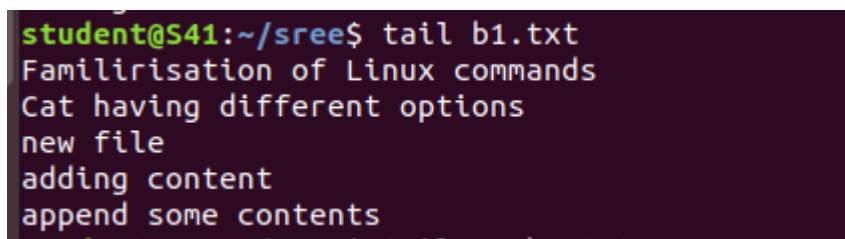


```
student@S41:~/sree$ head -4 b1.txt
Familiarisation of Linux commands
Cat having different options
new file
adding content
```

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

```
$tail b1.txt
```

### **Output Screenshot**

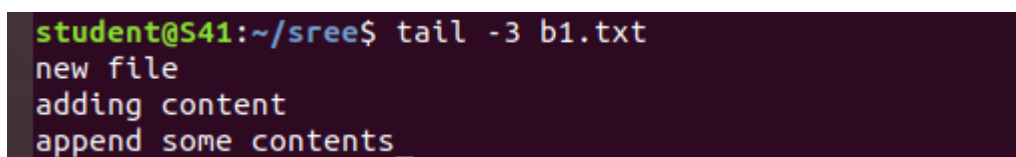


```
student@S41:~/sree$ tail b1.txt
Familiarisation of Linux commands
Cat having different options
new file
adding content
append some contents
```

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

```
$tail -3 b1.txt
```

### **Output Screenshot**

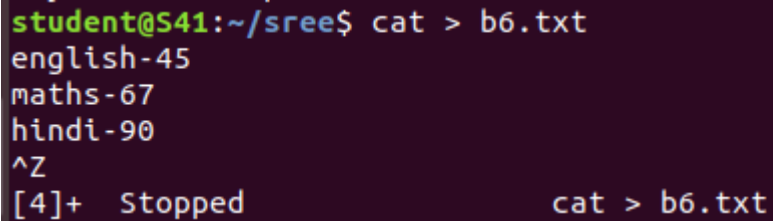


```
student@S41:~/sree$ tail -3 b1.txt
new file
adding content
append some contents
```

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

\$cat > b5.txt

### Output Screenshot

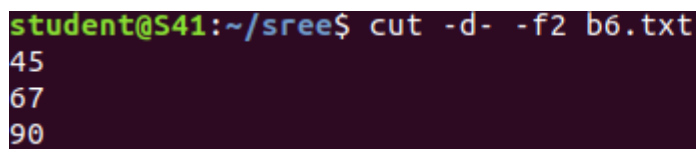


```
student@S41:~/sree$ cat > b6.txt
english-45
maths-67
hindi-90
^Z
[4]+  Stopped                  cat > b6.txt
```

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

\$cut -d- -f2 b5.txt

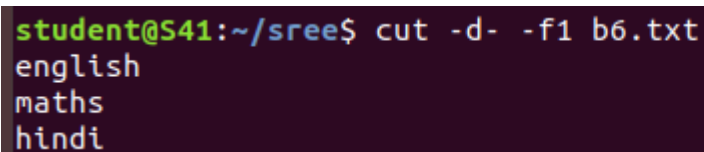
### Output Screenshot



```
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

```
[5]+  Stopped                  cat > marvel1
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

```

name@ubuntu:~/Documents$ 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 output
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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
[71]+ Stopped          cat > demo2

```



## 23. More -3 demo2

### Output Screenshot

```

student@541:~/sree$ more -3 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
--More--(10%)
[8]+ Stopped more -3 demo2

```

## 24. More +3 demo2

### Output Screenshot

```

student@541:~/samples$ more +3 demo2
can execute queries, retrieve data, insert or delete records, create tables or stored procedures in a database, and so on. SQL is the most ad
aptable niche in the market. Switching the job once you enter in IT industry is not a big deal. The hardest part is in the beginning. But most
of the students who are going to begin their career in the database using SQL must be looking for top high paying jobs in database or SQL rel
ated profiles. Read on to know about the various profiles associated with SQL or database.
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aptable niche in the market. Switching the job once you enter in IT industry is not a big deal. The hardest part is in the beginning. But most

```

## 25. More -s demo2

### Output Screenshot

```

student@541:~/sree$ more -s 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.

```