

## NETWORKING & SYSTEM ADMINISTRATION LAB

### Experiment No.: 3

#### Aim

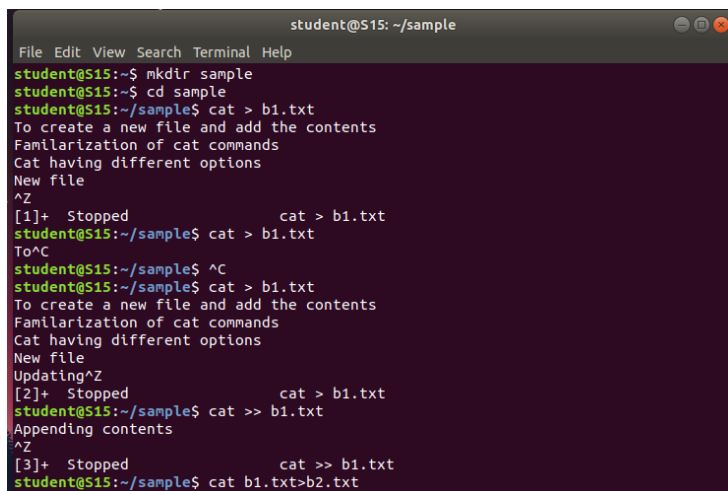
Familiarization of Linux commands.

#### Procedure

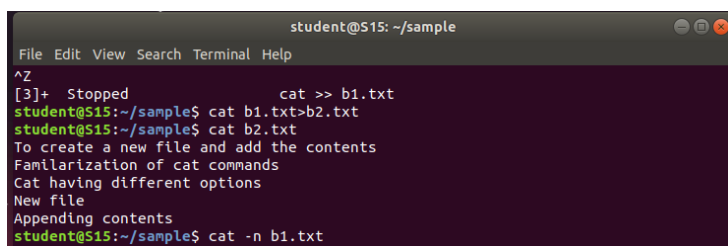
##### 1. -n

This command is used to displays line numbers in contents.

Syntax:

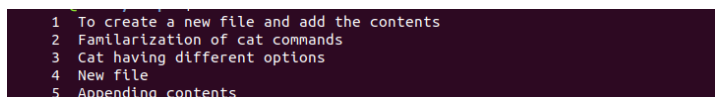


```
student@S15: ~/sample
File Edit View Search Terminal Help
student@S15:~$ mkdir sample
student@S15:~$ cd sample
student@S15:~/sample$ cat > b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
^Z
[1]+  Stopped                  cat > b1.txt
student@S15:~/sample$ cat > b1.txt
To^C
student@S15:~/sample$ ^C
student@S15:~/sample$ cat > b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
Updating^Z
[2]+  Stopped                  cat > b1.txt
student@S15:~/sample$ cat >> b1.txt
Appending contents
^Z
[3]+  Stopped                  cat >> b1.txt
student@S15:~/sample$ cat b1.txt>b2.txt
```



```
student@S15: ~/sample
File Edit View Search Terminal Help
^Z
[3]+  Stopped                  cat >> b1.txt
student@S15:~/sample$ cat b1.txt>b2.txt
student@S15:~/sample$ cat b2.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
Appending contents
student@S15:~/sample$ cat -n b1.txt
```

Output:



```
1 To create a new file and add the contents
2 Familiarization of cat commands
3 Cat having different options
4 New file
5 Appending contents
```

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## 2. -b

This command is used to removes the empty lines.

Syntax:

```
student@S15:~/sample$ cat -b b1.txt
```

Output:

```
1 To create a new file and add the contents
2 Familiarization of cat commands
3 Cat having different options
4 New file
5 Appending contents
```

## 3. touch

This command is used to create an empty file.

Syntax:

```
student@S15:~/sample$ touch b3.txt
student@S15:~/sample$ echo hi this is demo of touch command >> b3.txt
student@S15:~/sample$ cat b3.txt
```

Output:

```
student@S15:~/sample$ cat b3.txt
hi this is demo of touch command
```

## 4. head, head -4

This head command is used to display the first ten line of contents and head -4 which displays the first four lines of contents.

Syntax:

```
student@S15:~/sample$ cat b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
Appending contents
hai
hello
linux commands
student@S15:~/sample$ head b1.txt
```

```
student@S15:~/sample$ head -4 b1.txt
```

Output:

```
student@S15:~/sample$ head b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
Appending contents
hai
hello
linux commands
```

```
student@S15:~/sample$ head -4 b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
```

## 5. tail, -3

This tail command is used to displays the last ten lines of contents and tail -3 which displays the last 3 lines of contents.

Syntax:

```
student@S15:~/sample$ tail b1.txt
```

```
student@S15:~/sample$ tail -3 b1.txt
hai
hello
linux commands
```

Output:

```
student@S15:~/sample$ tail b1.txt
To create a new file and add the contents
Familiarization of cat commands
Cat having different options
New file
Appending contents
hai
hello
linux commands
student@S15:~/sample$ tail -3 b1.txt
hai
hello
linux commands
```