NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 4

Aim

Familiarization of the Linux commands.

Procedure

1. cat -n

This command return contents with line numbers.

Syntax:- $ cat -n filename

Output:-

2. cat -b

This Returns contents with line numbers but excludes the empty lines

Syntax:- $ cat -b filename

Output:-

3. touch

This command is used to create a empty file

Syntax:- $ touch filename

Output:-

4. echo command >> filename

This command helps to add lines on the empty file

Syntax:- $ echo command>> filename

Output:-

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5. head

This command returns first 10 lines in the file

Syntax:- $ head filename

Output:-

```
justin@justin-VirtualBox:~/Documents$ head just.txt
I am indian.
I am proud to to be an Indian.
India is my country.

I
N
D
I
A
N
```

6. head – (No. of lines)

This will return beginning lines specified in the command

Syntax:- $ head -4 filename

Output:-

```
justin@justin-VirtualBox:~/Documents$ head -5 just.txt
I am indian.
I am proud to to be an Indian.
India is my country.

I
```

7. tail

This returns the last 10 lines in the file

Syntax $ tail filename

Output:-

```
justin@justin-VirtualBox:~/Documents$ tail just.txt
Y

C
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T
R
Y
.
```

8. tail – (No. of lines)

This will return last no of lines specified in the command

Syntax:- $ tail -4 filename

Output:-

```
justin@justin-VirtualBox:~/Documents$ tail -5 just.txt
N
T
R
Y
.
```

9. cut -f2

This commands in Linux allows you to select the second part of the content that split by ' - ' delimiter.

Syntax:- $ cut -d- f2 filename

Output:-

```
justin@justin-VirtualBox:~/Documents$ cat ju.txt
command
science-12
maths-23
social-34
computer-100
physics-23-justin
justin@justin-VirtualBox:~/Documents$ cut -d- -f2 ju.txt
command
12
23
34
100
23
```

10. cut -f1

This commands in Linux allows you to select the First part of the content that split by ' - ' delimiter.

Syntax:- $ cut -d- f1 filename

Output:

```
justin@justin-VirtualBox:~/Documents$ cut -d- -f1 ju.txt
command
science
maths
social
computer
physics
```