NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 2

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Batch:RMCA(B)

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Aim

Familiarization of Linux commands.

Procedure

1. **$cat -n filename.txt:** This command is used to number each lines in a file.
    Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ cat -n text1.txt
     1  hello world
     2  welcome to coding
     3  c++
     4
     5  java
     6  python
     7  android
     8  sql
     9
    10
    11  ruby
```

2. **$cat -b filename.txt:** This command is used to remove empty lines
    Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ cat -b text1.txt
     1  hello world
     2  welcome to coding
     3  c++

     4  java
     5  python
     6  android
     7  sql


     8  ruby
```

3. **$touch filename.txt:** This command is used to create empty files
    Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ touch text1.txt
```

4. **$echo //contents// >>text1.txt:** it is used to add contents to an empty file.

Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ echo hello programming world >> text1.txt
```

5. **$head filename.txt:** It is used to display 10 lines from the top
Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ head text1.txt
hello world
welcome to coding
c++

java
python
android
sql
```

6. **$head -number filename.txt:** It is used to display specific number of lines from top
Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ head -4 text1.txt
hello world
welcome to coding
c++
```

7. **$tail filename.txt:** This command is used to display 10 lines from bottom
Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ tail text1.txt
c++

java
python
android
sql


ruby
hello programming world
```

8. **$tail -number filename.txt:** This command is used to display specific number of lines from bottom
Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ tail -3 text1.txt

ruby
hello programming world
```

9. **$cut -d-   -f1(/f2) filename.txt:** This command is used to display a particular column on the behalf of delimiter.
   Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ cat >text1.txt
hindi-50
english-55
science-59

[2]+   Stopped                    cat > text1.txt
```

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ cut -d- -f1 text1.txt
hindi
english
science
```

10. **$rmdir filename.txt:** This command is used to remove a directory
    Output:

```
LENOVO@DESKTOP-57GS6MV MINGW64 ~
$ ls
'3D Objects'/            Demo/                   'Local Settings'@
 AndroidStudioProjects/  Documents/               MicrosoftEdgeBackups/
 AppData/                Downloads/               Music/
'Application Data'@      Favorites/              'My Documents'@
 Contacts/               IntelGraphicsProfiles/   NetHood@
 Cookies@                Links/                   NTUSER.DAT
```