EXPERIMENT - 1

NAME : *HARI PRIYA DUTTA*

ROLL NO. :- *2021A1R046*

SECTION:- *A1*

SEMESTER:-3rd

BRANCH:-CSE

GROUP:-G2

SUBJECT:-O.S. LAB

SUBJECT CODE:-COM-312

COMMAND 1 :

rm:- used to remove files or directory

syntax :- rm filename.txt

 variants:-

rmdir:- removes empty directory

rm -r dirctoryname:- removes directory

rm *.extension:- removes file of that extension

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cd
haripriya@LAPTOP-RMAP14VO:~$ cd /mnt/d/Documents
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
UNIX  direc  directory  ds.txt  folder  go.txt  hari.txt  st.txt  text  w  yz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ rm go.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
UNIX  direc  directory  ds.txt  folder  hari.txt  st.txt  text  w  yz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ rmdir w
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
UNIX  direc  directory  ds.txt  folder  hari.txt  st.txt  text  yz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ rm -r UNIX
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
direc  directory  ds.txt  folder  hari.txt  st.txt  text  yz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ rm *.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
direc  directory  folder  text
```

COMMAND 2:-

Cat :- used to read the content of one or more files

Syntax :- cat filename.txt

Variants:-

Cat -e:- ends the line with '$'

Cat -t:- allows you to visually distinguish between tabs and spaces

Cat -n:- shows number of files

Cat > newfile:- creates new file

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ ls
b1.txt  cde.txt  cde.txt~  fgh.txt  qrs.txt  scde.txt  second  xyz  xyz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cat scde.txt
hari priya

haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cat -e scde.txt
hari priya$
$
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ nano scde.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cat -t scde.txt
hari^I^Ipriya^I^Idutta
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cat -n scde.txt
     1  hari          priya          dutta
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ cat > abc.txt
```

COMMAND 3:-

mkdir: - make directory

syntax:- mkdir directoryname

variants:-

mkdir -v :- displays a message for every directory created

mkdir -version :- displays the version number

mkdir -p:- pressures sttribute of file

mkdir -n:- doesn't allow to copy source file to destination file

mkdir -b:- creates backup files

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ ls
UNIX  direc  directory  ds.txt  folder  go.txt  hari.txt  st.txt  text  yz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ mkdir --help
Usage: mkdir [OPTION]... DIRECTORY...
Create the DIRECTORY(ies), if they do not already exist.

Mandatory arguments to long options are mandatory for short options too.
  -m, --mode=MODE   set file mode (as in chmod), not a=rwx - umask
  -p, --parents     no error if existing, make parent directories as needed
  -v, --verbose     print a message for each created directory
  -Z                set SELinux security context of each created directory
                      to the default type
      --context[=CTX]  like -Z, or if CTX is specified then set the SELinux
                      or SMACK security context to CTX
      --help     display this help and exit
      --version  output version information and exit

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report any translation bugs to <https://translationproject.org/team/>
Full documentation <https://www.gnu.org/software/coreutils/mkdir>
or available locally via: info '(coreutils) mkdir invocation'
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$
```

COMMAND 4:-

Cd and ls:- cd command navigates between the directories while ls command lists down all the content of the directory

```
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ pwd
/mnt/d/Documents
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents$ cd folder
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ pwd
/mnt/d/Documents/folder
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ ls
b1.txt  cde.txt  cde.txt~  fgh.txt  qrs.txt  scde.txt  xyz  xyz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ ls -al
total 0
drwxrwxrwx 1 haripriya haripriya 4096 Sep 19 10:26 .
drwxrwxrwx 1 haripriya haripriya 4096 Sep 26 10:42 ..
-rwxrwxrwx 1 haripriya haripriya    7 Sep 19 10:19 b1.txt
-rwxrwxrwx 1 haripriya haripriya    7 Sep 19 10:26 cde.txt
-rwxrwxrwx 1 haripriya haripriya    7 Sep 19 10:14 cde.txt~
-rwxrwxrwx 1 haripriya haripriya   16 Sep 19 10:17 fgh.txt
-rwxrwxrwx 1 haripriya haripriya   16 Sep 19 10:01 qrs.txt
-rwxrwxrwx 1 haripriya haripriya   12 Sep 18 13:14 scde.txt
-rwxrwxrwx 1 haripriya haripriya    1 Sep 18 13:34 xyz
-rwxrwxrwx 1 haripriya haripriya    7 Sep 19 10:18 xyz.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$ ls -lt
total 0
-rwxrwxrwx 1 haripriya haripriya  7 Sep 19 10:26 cde.txt
-rwxrwxrwx 1 haripriya haripriya  7 Sep 19 10:19 b1.txt
-rwxrwxrwx 1 haripriya haripriya  7 Sep 19 10:18 xyz.txt
-rwxrwxrwx 1 haripriya haripriya 16 Sep 19 10:17 fgh.txt
-rwxrwxrwx 1 haripriya haripriya  7 Sep 19 10:14 cde.txt~
-rwxrwxrwx 1 haripriya haripriya 16 Sep 19 10:01 qrs.txt
-rwxrwxrwx 1 haripriya haripriya  1 Sep 18 13:34 xyz
-rwxrwxrwx 1 haripriya haripriya 12 Sep 18 13:14 scde.txt
haripriya@LAPTOP-RMAP14VO:/mnt/d/Documents/folder$
```