Name: Ayushi Bindal Roll no: 1/23/SET/BCS/341 Class & Section: 4CSF2

Experiment - 4

Aim: Learn the use of chmod command and vi text editor.

The "chmod" command modifies the read, write and execute permissions of specified files.

The octal digits used for assigning permissions are as follows:

Octal Digit	Permissions	3-Character Display
7	Read, write, execute	rwx
6	Read, write	rw-
5	Read, execute	r-x
4	Read	r
3	Write, Execute	-wx
2	Write	-W-
1	Execute	X
0	none	-

Example: (1 way) chmod 711 test.sh

(Owner - u, Group - g, Others - o)

ugo

(Another way) chmod ugo+rwx test.sh

+--X

<u>Program 1</u>: Creating hello.sh file in a directory with your name and giving permission to owner only using chmod command.

ls mkdir Ayushi cd Ayushi cat > hello.sh #!/bin/bash echo "Hello World" chmod u+rwx hello.sh ./hello.sh

localhost:~# ls
bench.py hello.c hello.js readme.txt
localhost:~# mkdir Ayushi
localhost:~# cd Ayushi
localhost:~/Ayushi# cat > hello.sh
#!/bin/bash
echo "Hello World"
localhost:~/Ayushi# chmod u+rwx hello.sh
localhost:~/Ayushi# ./hello.sh
Hello World
localhost:~/Ayushi# ./hello.sh

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Program 2: Creating vi text editor file namely test.sh.

```
vi test.sh
I for insert
#!/bin/bash
var1="hello"
var2="Your name"
echo $var1 $var2
Esc for escape
:wq for save and exit
Chmod u+rwx test.sh
./test.sh
```

Hello Ayushi