

Experiment-7

Implement chown, chmod command with their options

```
vboxuser@ubuntu: ~/Desktop$ sudo chown operator2 A.txt
vboxuser@ubuntu: ~/Desktop$
```

```
vivekkumar@vivekkumar:~/Desktop$ ls -l A.txt
-rw-rw-r-- 1 operator2 vivekkumar 0 Feb 26 20:29 A.txt
vivekkumar@vivekkumar:~/Desktop$
```

```
vboxuser@ubuntu:~/Desktop$ chmod a+rx C.txt
vboxuser@ubuntu:~/Desktop$ chmod -c g+r D.txt
vboxuser@ubuntu:~/Desktop$ ls -l C.txt
-rwxrwxrwx 1 vivekkumar group2 0 Feb 26 20:29 C.txt
vboxuser@ubuntu:~/Desktop$ ls -l D.txt
-rw-rw-r-- 1 vivekkumar vivekkumar 0 Feb 26 20:29 D.txt
vboxuser@ubuntu:~/Desktop$ stat D.txt
  File: D.txt
  Size: 0          Blocks: 0          IO Block: 4096   regular empty file
Device: 8,2    Inode: 2363366    Links: 1
Access: (0664/-rw-rw-r--)  Uid: ( 1000/vivekkumar)   Gid: ( 1000/vivekkumar)
Access: 2025-02-26 20:29:36.772219632 +0530
Modify: 2025-02-26 20:29:36.772219632 +0530
Change: 2025-02-27 11:15:38.301128799 +0530
 Birth: 2025-02-26 20:29:36.772219632 +0530
vboxuser@ubuntu:~/Desktop$
```

```
vboxuser@ubuntu:~$ chmod -v g-wx, 0-r E.txt
chmod: invalid mode: 'g-wx,'
Try 'chmod --help' for more information.
vboxuser@ubuntu:~$ chmod -v g-wx, 0-r E.txt
chmod: invalid mode: 'g-wx,'
Try 'chmod --help' for more information.
vboxuser@ubuntu:~$ chmod --help
usage: chmod [OPTION]... MODE[,MODE]... FILE...
       or:  chmod [OPTION]... OCTAL-MODE FILE...
       or:  chmod [OPTION]... --reference=RFILE FILE...
Change the mode of each FILE to MODE.
With --reference, change the mode of each FILE to that of RFILE.

  -c, --changes           like verbose but report only when a change is made
  -f, --silent, --quiet   suppress most error messages
  -v, --verbose           output a diagnostic for every file processed
  --no-preserve-root       do not treat '/' specially (the default)
  --preserve-root         fail to operate recursively on '/'
  --reference=RFILE       use RFILE's mode instead of specifying MODE values.
                          RFILE is always dereferenced if a symbolic link.
  -R, --recursive        change files and directories recursively
  --help                 display this help and exit
  --version              output version information and exit

Each MODE is of the form '[ugoa]*([-+=]([rwxXst]*|[ugo]))+|[-+=]?[0-7]+'.

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/chmod>
or available locally via: info '(coreutils) chmod invocation'
vboxuser@ubuntu:~$ ls
1.txt  8.txt  C.txt  002  editing_final_lab_file  E.txt  findallinirectory.sh  f.txt  lsfile.txt  single.sh  smallestofthree.sh  systeminfo.sh
k.txt  calculator.sh  001  B.txt  error.txt  findall  findall  lsfile.txt  sepcalcar.sh  smallestofthree.lsh  specialvar.sh  test
vboxuser@ubuntu:~$ chmod 774 E.txt
vboxuser@ubuntu:~$ ls -l E.txt
-rwxr-xr-x 1 vivekkumar vivekkumar 0 Feb 26 20:29 E.txt
vboxuser@ubuntu:~$ chmod -v 774 E.txt
mode of 'E.txt' retained as 0774 (rwxrwxr-x)
vboxuser@ubuntu:~$
```