UNIX LAB ASSIGNMENT

NAME: VEERAJA V

ROLL NO: 422180

Q) Write shell script for commands: bc,comm,chown,chgrp,cron,dd,diff,finger,find,ftp,lock

```
(base) veraja@veraja=VirtualBox:-/ositus/UNIX_LAS git commit -n "Uploaded Unix Lab Assignments of 422180"

(branch_2 (root-commit) 4425687) Uploaded Unix Lab Assignments of 422180

(create model 18044 422180_Lb)*files.txt

(create model 18044 422180_Lb)*forgrep.txt

(create model 18045 422180_Lb)*forgrep.txt

(create model 18044 422180_Lb)*forgrep.txt

(create model 18044
```

```
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git (fetch)
origin https://github.com/Veeraja-Veeraesh/UNIX_LAB.git (fetch)
origin https://github.com/Veeraja-Veeraesh/UNIX_LAB.git (push)
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git (push)
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git push origin branch_2
remote: Permission to Veeraja-VievalBox:-/Desktop/UNIX_LAB.git denied to Veeraja-Veeraesh.
fatal: unable to access 'https://github.com/Veeraja-Veeraesh/UNIX_LAB.git/': The requested URL returned error: 403
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git/: The requested URL returned error: 403
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git/: The requested URL returned error: 403
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git/ (push)
(base) veeraja@veeraja-VirtualBox:-/Desktop/UNIX_LAB.git push origin branch_2
Enumerating objects: 100% (46/46), done.

Counting objects: 100% (46/46), done.

Delta compression using up to 3 threads
Compressi
```

```
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm forcomm1.txt forcomm2.txt
          Delhi
comm: file 2 is not in sorted order
          Bangalore
          Chennai
          Mumbai
          Kochi
Pune
comm: file 1 is not in sorted order
Kolkata
Gandhinagar
Delhi
Bangalore
          Vizag
          Pune
          Kolkata
          Jaipur
          Chandigarh
          Lucknow
          Gandhinagar
comm: input is not in sorted order
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ sort forcomm1.txt | cat sortedforcomm1.txt
cat: sortedforcomm1.txt: No such file or directory
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ sort forcomm1.txt | cat > sortedforcomm1.txt (base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ sort forcomm2.txt | cat > sortedforcomm2.txt (base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm sortedforcomm1.txt sortedforcomm2.txt
                     Bangalore
          Chandigarh
          Chennai
                     Delhi
                     Gandhinagar
          Jaipur
          Kochi
                     Kolkata
          Lucknow
          Mumbai
                     Pune
          Vizag
```

```
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ cat sortedforcomm1.txt
Bangalore
Delhi
Gandhinagar
Kolkata
Pune
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ cat sortedforcomm2.txt
Bangalore
Chandigarh
Chennai
Delhi
Gandhinagar
Jaipur
Kochi
Kolkata
Lucknow
Mumbai
Pune
Vizag
(base)
       veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -1 sortedforcomm1.txt sortedforcomm2.txt
        Bangalore
Chandigarh
Chennai
        Delhi
        Gandhinagar
Jaipur
Kochi
        Kolkata
Lucknow
Mumbai
        Pune
Vizag
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -2 sortedforcomm1.txt sortedforcomm2.txt
        Bangalore
        Delhi
        Gandhinagar
        Kolkata
        Pune
```

```
(base) veeraja@veeraja-VirtualBox:~/Desktop/uni
                                                  lab/assignment6$ comm -3 sortedforcomm1.txt sortedforcomm2.txt
        Chandigarh
        Chennai
        Jaipur
        Kochi
        Lucknow
        Mumbai
        Vizag
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -23 sortedforcomm1.txt sortedforcomm2.txt
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -13 sortedforcomm1.txt sortedforcomm2.txt
Chandigarh
Chennai
Jaipur
Kochi
Lucknow
Mumbai
Vizag
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -12 sortedforcomm1.txt sortedforcomm2.txt
Bangalore
Delhi
Gandhinagar
Kolkata
Pune
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ comm -12 --total sortedforcomm1.txt sortedforcomm2
Bangalore
Delhi
Gandhinagar
Kolkata
```

```
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ ls -l
-rw-rw-r-- 1 user2 veeraja 43 Apr 3 19:20 forcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Feb 14 14:33 forcomm2.txt
-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Apr 3 19:22 sortedforcomm2.txt
                                                                                gnment6$ sudo chown -c -v veeraja forcomm1.txt
(base) veeraja@veeraja-VirtualBox:~/De
changed ownership of 'forcomm1.txt' from user2 to veeraja
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ ls -l
rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:20 forcomm1.txt
rw-rw-r-- 1 veeraja veeraja 94 Feb 14 14:33 forcomm2.txt
-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Apr 3 19:22 sortedforcomm2.txt
                                                                    <u>lab/assignment6</u>$ getent passwd 1001
(base) veeraja@veeraja-VirtualBox:~/De
```

veeraja@veeraja-VirtualBox: ~/Desktop/unix_lab/assignment6

```
user2:x:1001:1001:User2,,,:/home/user2:/bin/bash
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assig
changed ownership of 'forcomm1.txt' from veeraja to user2
                                                                              esktop/unix_lab/assignment6$ sudo chown -c user2 forcomm1.txt
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ ls -l
 -rw-rw-r-- 1 user2 veeraja 43 Apr 3 19:20 forcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Feb 14 14:33 forcomm2.txt
-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Apr 3 19:22 sortedforcomm2.txt
```

total 16

total 16

(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6\$

```
veeraja@veeraja-VirtualBox: ~/Desktop/unix lab/assignment6
(base) veeraja@veeraja-VirtualBox:~/Deskt
Adding group `group1_unix' (GID 1002) ...
                                                                                       esktop/unix_lab/assignment6$ sudo addgroup group1_unix
Done.
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ ls -l
total 16
 .otal 10
-rw-rw-r-- 1 user2 veeraja 43 Apr 3 19:20 forcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Feb 14 14:33 forcomm2.txt
-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Apr 3 19:22 sortedforcomm2.txt
(base) veeraja@veeraja-virtualBox:-/Desktop/unix_lab/assignment6$ sudo chgrp group1_unix forcomm2.txt (base) veeraja@veeraja-virtualBox:-/Desktop/unix_lab/assignment6$ ls -l
total 16
 orde 16

-rw-rw-r-- 1 user2 veeraja 43 Apr 3 19:20 forcomm1.txt

-rw-rw-r-- 1 veeraja group1_untx 94 Feb 14 14:33 forcomm2.txt

-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt

-rw-rw-r-- 1 veeraja veeraja 94 Apr 3 19:22 sortedforcomm2.txt
(base) veeraja@veeraja-VirtualBox:~/
                                                                                                                                         ment6$ sudo chgrp -c veeraja forcomm2.txt
 changed group of 'forcomm2.txt' from group1_unix to veeraja
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignmento$ mkdir forchgrp
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignmento$ cd forchgrp
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignmentof/forchgrp$ touch file1.txt && touch file2.txt
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignmentof/forchgrp$ cd ..
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignmentof* ls -l
total 20
drwxrwxr-x 2 veeraja veeraja 4096 Apr 3 19:43 forchgrp
-rw-rw-r-- 1 user2 veeraja 43 Apr 3 19:20 forcomm1.txt
-rw-rw-r-- 1 veeraja veeraja 94 Feb 14 14:33 forcomm2.txt
-rw-rw-r-- 1 veeraja veeraja 43 Apr 3 19:22 sortedforcomm1.txt
                                                               ualBox:
                                                                                                                                                 6$ sudo chgrp -v -R group1_unix forchgrp
(base) veeraja@ve
(base) veeraja@veeraja-virtualBox:~/besktop/unix_lab/assignmentos, changed group of 'forchgrp/file1.txt' from veeraja to groupi_unix changed group of 'forchgrp' from veeraja to groupi_unix (base) veeraja@veeraja-VirtualBox:~/besktop/unix_lab/assignment6$
```

```
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ dd if=forcomm1.txt of=ddforcomm1.txt bs=5b
0+1 records in
0+1 records out
43 bytes copied, 0.000240713 s, 179 kB/s
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ dd if=forcomm1.txt of=ddforcomm1.txt count=3
0+1 records in
0+1 records out
43 bytes copied, 0.000270271 s, 159 kB/s
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ head -n 5 ddforcomm1.txt
Pune
Kolkata
Gandhinagar
Delhi
Bangalore
```

```
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ dd if=forcomm1.txt of=ddforcomm1.txt conv=ucase
0+1 records in
0+1 records out
43 bytes copied, 0.00343708 s, 12.5 kB/s
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ head -n 5 ddforcomm1.txt
PUNE
KOLKATA
GANDHINAGAR
DELHI
```

```
veeraja@veeraja-VirtualBox: ~/Desktop/unix_lab/assignment6
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_
                                                         lab/assignment6$ finger user2
Login: user2
                                              Name: User2
Directory: /home/user2
                                              Shell: /bin/bash
Never logged in.
No mail.
No Plan.
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ finger -s user2
Login Name Tty Idle Login Time Office Office Phone
user2 User2 * * No logins
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$ finger -l user2
Login: user2
                                              Name: User2
Directory: /home/user2
                                              Shell: /bin/bash
Never logged in.
No mail.
No Plan.
(base) veeraja@veeraja-VirtualBox:-/Desktop/unix_lab/assignment6$ finger -p user2
Login: user2 Name: User2
                                              Shell: /bin/bash
Directory: /home/user2
Never logged in.
No mail.
(base) veeraja@veeraja-VirtualBox:~/Desktop/unix_lab/assignment6$
```

```
(base) veeraja@veeraja-VtrtualBox:-/Desktop/unix_lab$ find . -type f -empty
./assignmentOfforchpyrftlel.txt
./assignmentOfforchpyrftlel.txt
(base) veeraja@veeraja-VtrtualBox:-/Desktop/unix_lab$ find . -type d ! -newernt 2024-04-03
./weekd_veeraja@veeraja-VtrtualBox:-/Desktop/unix_lab$ find . -type d ! -newernt 2024-04-03
./weekd_veekd_folder!_extracted
./weekd_veekd_folder!_extracted/weekd_folder1
./weekd_veekd_folder1
./weekd_veekd_folder2
./weekd_v
```