



# **\*SHELL PROGRAMMING LAB\***

## **ASSIGNMENT -13**

**SUBMITTED BY:**

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**B.C.A -I.O.T.**

**SUBMITTED TO:**

**Dr. Dhiviya Rose**

1. Change the permission set of /work/readme.txt so that only the user (owner) can read,write, and execute it. Use absolute mode.

```
root@Ayush500086400:~/Desktop/lab13# chmod 700 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwx----- 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# █
```

2. Change the permission set of /work/readme.txt so that any user can read it, the group can read/write to it and the user (owner) can read/write/execute it. Use absolute mode.

```
root@Ayush500086400:~/Desktop/lab13# chmod 764 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwxrw-r-- 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# █
```

3. Change the permission set of /bin/bash so that only the user (owner) can read/write/ execute, group, and any user can execute it. However, whenever anyone executes it, it should run with the privileges of the owner user. Use absolute mode.

```
root@Ayush500086400:~/Desktop/lab13# sudo chmod 4711 /bin/bash
root@Ayush500086400:~/Desktop/lab13# ls -l /bin/bash
-rws--x--x 1 root root 1230360 Jan 6 2022 /bin/bash
root@Ayush500086400:~/Desktop/lab13# █
```

4. Change the permission set of /work/readme.txt so that only the user (owner) can read, write, and execute it. Use symbolic mode.

```
root@Ayush500086400:~/Desktop/lab13# sudo chmod u+rw,g-rw,o-r work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwx----- 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13#
```

5. Change the permission set of /work/readme.txt so that any user can read it, the group can read/write to it and the user (owner) can read/write/execute it. Use symbolic mode.

```
root@Ayush500086400:~/Desktop/lab13# sudo chmod g+rw work/readme.txt
root@Ayush500086400:~/Desktop/lab13# sudo chmod o+r work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwxrw-r-- 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13#
```

6. Change the permission set of /work/readme.txt so that only the user (owner) can read/write/ execute, group, and any user can execute it. However, whenever anyone executes it, it should run with the privileges of the group. Use absolute mode.

```
root@Ayush500086400:~/Desktop/lab13# sudo chmod 2711 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwx--s--x 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13#
```

7. Change the permission set of /work/readme.txt so that only the owner can rename or delete this file while maintaining the existing permissions. Use absolute mode.

```
root@Ayush500086400:~/Desktop/lab13# sudo chmod 3711 work/readme.txt
root@Ayush500086400:~/Desktop/lab13# ls -l work/readme.txt
-rwx--s--t 1 root root 26 Oct 10 06:39 work/readme.txt
root@Ayush500086400:~/Desktop/lab13#
```