

## LAB Manual

Name of Student :PRIYANKA GUPTA

PRN: 22070122157

Semester : IV

Year AY 23-24

Subject Title: Operating Systems Lab

EXPERIMENT No : 3

Assignment No: 3

TITLE : Basic Shell script for File operation

DoP : 12 - 02 - 2024

**Aim** : Implement and demonstrate a shell script on file operations

**Learning Outcome**: 1. To understand the shell script for file operation  
2. To Demonstrate the shell script for file operations

**Hardware/Software**: Linux VM Virtual Box

### **Procedure**:

The steps to implement a basic shell script for file operations are:

1. Create a new file.
2. Edit the file using Text Editor and add the commands required for performing the desired file operations.
3. Save and close the file. The file extension should be .sh
4. Using the terminal, edit the permissions of the file to be executable using the **chmod** command
5. Run the script in the terminal using ./filename.sh
6. Based on the operations, provide the necessary inputs for the file operations.

### **Theory**:

## Output:

```
student@ubuntu:~/priyanka$ gedit assign3.sh
student@ubuntu:~/priyanka$ bash assign3.sh
Enter file name:
aaa.txt
aaa.txt file is created successfully:
step 1 and 2 completed
Enter the content in the file:
bbb
cccc
dddd
step 3 completed
Displaying the content of the file an word count
bbb
cccc
dddd
3 3 15 aaa.txt
step 4 completed
File in sorted manner
bbb
cccc
dddd
step 5 completed
```

```
content in upprcase format
BBB
CCCC
DDDDD
step 6 completed
Enter number of lines to display:
2
first 2 of the file aaa.txt are:
bbb
cccc
step 7 completed
Enter the keyword to search
bbb
step 8 completed
Enter new name for the file
zzz.txt
File renamed
step 9 completed
Enter the cut position:
2
b
c
d
step 10 completed
```

```
Enter number of lines to display:
2
last 2 of the file aaa.txt are:
  step 11 is completed
Enter the file to be removed
zzz.txt
file zzz.txt is deleted.
step 12 completed
student@ubuntu:~/priyanka$
```

**Conclusion:**

Hence, using the commands we learned to Implement and demonstrate a shell script on file operations.

Attendance	Discipline	Short oral	Correctness of Lab Report	Timely completion of Lab Report	Total marks (10)	Signature of Teacher with Date