**Assignments**

**CSE 300 PR1: Linux Laboratory**

**Experiment-1**

1.To Install Ubuntu Linux and LINUX Commands(File Handling utilities, Text processing utilities, Network utilities, Disk utilities, Backup utilities and Filters).

2. Write a Shell Script that accepts a file name, starting and ending line numbers as arguments and displays all lines between the given line numbers.

3. Write a shell script that deletes all lines containing the specified word in one or more files supplied as arguments to it.

**Experiment-2**

4. Write a shell script that displays a list of all files in the current directory to which the user has read, write and execute permissions.15. Write a program using get and post method in Servlet.

5. Write a shell script that receives any number of file names as arguments checks if every argument supplied is a file or directory and reports accordingly. Whenever the arguments a file it reports no of lines present in it

6. Write a shell script that accepts a list of file names as its arguments, counts and reports the occurrence of each word that is present in the first argument file on other argument files.

**Experiment-3**

7. Write a shell script to list all of the directory files in a directory.

8. Write a shell script to find factorial of a given number.

9. Write an awk script to count number of lines in a file that does not contain vowels.

**Experiment-4**

10. Write an awk script to find the no of characters, words and lines in a file

11. Implement in c language the following UNIX commands using system calls

a) Cat b) ls c) mv 39-42

12. Write a C program that takes one or more file/directory names as command line input

and reports following information

a) File Type b) Number Of Links

c) Time of last Access d) Read, write and execute permissions

**Experiment-5**

13. Write a C program to list every file in directory, its anode number and file name

14. Write a C program to create child process and allow parent process to display

“Parent “and the child to display “child” on the screen

15. Write a C program that illustrate communication between two unrelated processes

using named pipes

**List of Practical(s)**

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