GLS INSTITUTE OF COMPUTER APPLICATIONS

SEM - 4
SUBJECT: LSS

ASSIGNMENT – 4

1. Write a shell script that display the disk usage of files and directories on a machine.

2. Write a shell script that display full summary of available and used disk space usage of the file system on linux system.

3. Write a shell script that display disk space used by files in the following criteria:
   - write counts for all files , not just directories
   - total count

4. Write a shell script that display disk file system in the following criteria:
   - Display file informaton of dummy files.
   - Display sizes in Human Readable Format.
   - Display information in KB.
   - Display information in MB.
   - Display information in GB.
   - To check the file system type
   - To see the information of only device /home file system in human readable format.

5. Write a shell script that provides information about used ansd unused memory.

6. Write a shell script that compresses the two file separetely.

7. Write a shell script that uncompresses the two file separetely.

8. Write a shell script that compresses the folder files separetely.

9. Write a shell script that uncompresses the folder files separetely.

10. Write a shell script that compresses the multiple files in new folder ,keeping the original files at their place.

11. Write a shell script that uncompresses the multiple files in new folder ,keeping the original files at their place.

12. Write a shell script that will compress current directory and also all subdirectories, keeping the original files at their place.

13. Write a shell script that shows both compressed and uncompressed size of each file in the archeive along with the percentage of compression archeived.

14. Write a shell script that will perform following commands:
   - Create a tar file that hold multiple folder in it.
   - Execute the tar file that is created.
   - Show the table of content or view the contents of the tar file.

15. Write a shell script that display the type of file available in the directory.

16. Perform the following commands to locate or search the files.
    - Find files using name in the Current Directory
    - Find directories using name
    - Find C files and .txt using name
    - Find all files with paricular extension
    - Find all files with starting with A-Z capital letters.
    - Find files with read ,write and execute permission.
    - Find files without read ,write and execute permission.
    - Find Read Only files
    - Find Read & Write Files
    - Find all Hidden Files.

17. Write a shell script that find files and directories based on days :
    - Find all files which are modified 20 days back
    - Find all files which are accessed 30 days back
    - Find all files which are modified more than 50 days back and less than 75 days.

18. Write a shell script that find commands files by name.

19. Write a shell script that locates the binary , source and manual page files for a command.

20. Write a shell script that locates the executable file associate with a given command.