**LINUX LAB- 3 ASSIGNMENT**

**-Anmol Anubhai 121004**

**Write the UNIX commands for the following:**

1. **Use the *cat* command, and display all the .txt files in the current directory on the screen at one go**

cat \*.txt

1. **To start any web browser from the command prompt.**

Type the name of the browser **“ nohup firefox & ”** on the command line to simply open a new browsing window.

1. **To list lines that does not include ‘*and’* in a text file.**

grep -v -e "and" a.txt

1. **To compress all .dat files in the current directory and vice versa.**

zcat \*.dat.gz | gzip > out.dat.gz

1. **To list all the files in the present working directory including the hidden files**

ls -a

1. **To show all the files in the subdirectories of a directory**

tree

1. **To make changes into environmental variables.**

“export” for Bourne shell (sh and bash), “set” for C shell.

1. **To sort the lines of a file into reverse order.**

sort -h > xyz.txt

1. **To create a hard link to myfile.txt in the current directory assuming that it is not public\_html.**

ln {source} {link}

source is an existing file.

link is the file to create (a hard link).

**10. To search for a certain pattern in the files existing in the current directory.**

grep -r "Linux" \*

**Shell scripts: NOTE: THE ATTACHED FOLDER CONTAINS ALL THE SHELL SCRIPTS**

1. Write a shell script to scan two variables and to display their sum, mul, div, sub and modulo division.
2. Write a shell script to perform all Arithmetic Operations using Command line arguments.
3. Write a shell script to scan two variables and to display their sum, mul, div, sub and modulo division as per the user choice. (no need to continue, only once is OK)
4. Write a shell script to find greatest of two. Script must consider the case where two numbers are equal.
5. Write a shell script to accept numbers below 50 and to display the square of each. This should continue as long as the user wishes.
6. Write a shell script, which scans the name of the command and executes it.
7. Write a shell script which displays January if we enter Jan, Janu, Janua or January.(use of case)
8. Write a shell script to generate Fibonacci series.
9. Write a shell script that asks the capital of Gujarat and repeats the question until the user gives correct answer.
10. Write a shell script program to search whether element is present in the list or not and also display its position in the list.