LINUX ADMINISTRATION

Subject Code: 22CAP-607

Worksheet 2.3

Student Name: Sumit Saurav   **UID:22MCA21058**

Section / Group: PH22MCA-5_B   **Semester: 1st**

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Task::

a. You wish to restore the file named ABC.txt which was backed up in the tar file with the name MyBackup.tar. What command should you type? Use the option of gzip command to compress a tar file MyBackup.tar. Now create a file with the name MyBackUp.tar and then try to search for a file named MyBackup.tar using regular expressions after executing the listing command.

b. Create a file named try.txt and write about yourself in about 20 lines. Now check the size of the file. Reduce the size of this file using zip and also add a comment to the zip file also. After compression, check the size of the file again.

Concept Used::

1. Touch: is used to create a file
2. Ls: is used to list the file.
3. Rm: is used to remove the file.
4. Tar: is used to create an archive
5. Options:
   a. -c: create an archive from a file or directory.
   b. -x: extract the archives.
   c. -f: displays or lists files in archived file.
   d. -r: append file to archives
   e. -v: show the progress of the archive file.
   f. -t: displays or lists files in archived file.
   g. Cat > file: is used to create a file and add contents on that file.
   h. Ls -l: is used to check the size of a file.
   i. Zip\gzip: is used to compress the file.

Steps::
For Question Part A:

1. Open the terminal by pressing Ctrl + Alt + T together.
2. Use the following commands to achieve desired Output.

   $ touch abc.txt

$ tar -cvf mybackup.tar abc.txt

$ rm abc.txt

$ tar -xvf mybackup.tar

$ gzip -v mybackup.tar

$ tar -cvf mybackup.tar

For Question Part B:

$ cat > abc.txt

$ ls -l

$ Gzip abc.txt

$ ls -l abc.txt.gz

Result / Output / Writing Summary::

```
/root% cat > abc.txt
This is the serial console. Whatever you type here will be sent to COM1.
^Z[1]+  Stopped                    cat 1>abc.txt
/root% ls
abc.txt     test.lua    tests       try.txt.gz
/root% ls -l
total 4
-rw-r--r--    1 root     root           73 Dec 30 10:17 abc.txt
-rw-r--r--    1 root     root          115 Oct 16  2013 test.lua
drwxr-xr-x    2 root     root         1024 Oct 29  2013 tests
-rw-r--r--    1 root     root          141 Dec 30 10:14 try.txt.gz
/root% gzip abc.txt
/root% ls
abc.txt.gz  test.lua    tests       try.txt.gz
/root% ls -l
total 4
-rw-r--r--    1 root     root           89 Dec 30 10:17 abc.txt.gz
-rw-r--r--    1 root     root          115 Oct 16  2013 test.lua
drwxr-xr-x    2 root     root         1024 Oct 29  2013 tests
-rw-r--r--    1 root     root          141 Dec 30 10:14 try.txt.gz
/root% _
```

MARKS EVALUATION

Sr. No.	Topics	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (PreLab Quiz)		5
2.	Worksheet		10
3.	PostLab Quiz		5