**Experiment 2.3**

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**Branch:   CC-DevOps                                                        Section/Group: 1/B**

**Semester:   I                                                               Date of Performance: 01/01/2023**

**Subject Name:** **Linux Administration Lab Subject Code: 22CAP-648**

* **Aim/Overview of the practical:**
* **You wish to restore the file named ABC.txt which was backed up in the tar file with name MyBackup.tar. What command should you type? Use an option of gzip command to compress a tar file MyBackup.tar. Now create a file with name MyBackUp.tar and then try to search a file named MyBackup.tar using regular expressions after executing listing command.**
* **Answer :**
  1. To restore the file named ABC.txt from the tarfile MyBackup.tar, you would use the following command:
     + **tar -xf MyBackup.tar ABC.txt**

This will extract the file ABC.txt from the tarfile MyBackup.tar and restore it to its original location.

* 1. To compress the tarfile MyBackup.tar using gzip, you can use the following command:
     + **gzip MyBackup.tar**

This will create a new file named MyBackup.tar.gz, which is the compressed version of the original tarfile.

* 1. To create a new file named MyBackUp.tar, you can use the touch command:
     + **touch MyBackUp.tar**
  2. To search for a file named MyBackup.tar using regular expressions after executing the ls command, you can use the following command:
     + **ls | grep "MyBackup\.tar"**

This will list all files in the current directory, pipe the output to grep, and search for a file with a name that matches the regular expression "MyBackup.tar". The "." is used to escape the period character, since it has special meaning in regular expressions.

1. prints file system type on partitions as well
2. now Creating primary partition and 2 extended partitions
3. **Learning outcomes (What I have learnt):** 
   * 1. **Learn about grep**
     2. **Learn about zip.**
     3. **Learn about backup.**

**Evaluation Grid:**

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| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. | Demonstration and Performance  (Quiz) |  | 22 |
| 2. | Worksheet |  | 8 |