**Experiment 2.1**

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

**Semester:   I                                                               Date of Performance: 01/11/2022**

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

1. **Aim/Overview of the practical:**

* **Create a user TOM with uid 2211 and assign a password “redhat”. Check that its entry exists in the configuration file and check whether they can log in or not. Now check the name of primary group of that user by visiting group configuration file. After check its availability in primary group, add that used to the secondary group named GRP.**

1. **Steps**

* To create new user use **useradd command** like this **sudo useradd -u 2211 -p redhat TOM**
* To check if the user "TOM" exists in the system's user configuration file, you can use the **grep** command to search the file for the user's name. The user configuration file is typically located at **/etc/passwd**. Like this “**grep TOM /etc/passwd”** or **“cat /etc/passwd | grep TOM”** or **“id TOM”**
* To check the group of TOM user use **groups** **command** like this **groups TOM.**
* To create the secondary Group and add new user to it use **groupadd** **and usermod command**

Like this **sudo groupadd GRP and sudo usermod –a –G GRP TOM.**

1. 2. Write fdisk –l to view the partitions
2. 3. Select the partition using fdisk /dev/sda1
3. 4. Disk Partitions displayed with details
4. We can also view Disk partitions using lsblk. it displays block devices, when used with the -f option, it
5. prints file system type on partitions as well
6. now Creating primary partition and 2 extended partitions
7. **Learning outcomes (What I have learnt):** 
   * 1. **Learn about adding user.**
     2. **Learn about cat and grep.**
     3. **Learn about groups in linux.**

**Evaluation Grid:**

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