ITIM
PRACTICAL - 4

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Tasks :

Question 1: Create and format a partition such that it can be

used as swap memory, Ensure that the swap memory is persistent change in

your memory. The swap memory size must be 1.5 GB.

Question 2: Demonstrate how to check the swap memory usage details.

Question 3: Delete the created swap memory partition on server B and ensure it is a persistent configuration.
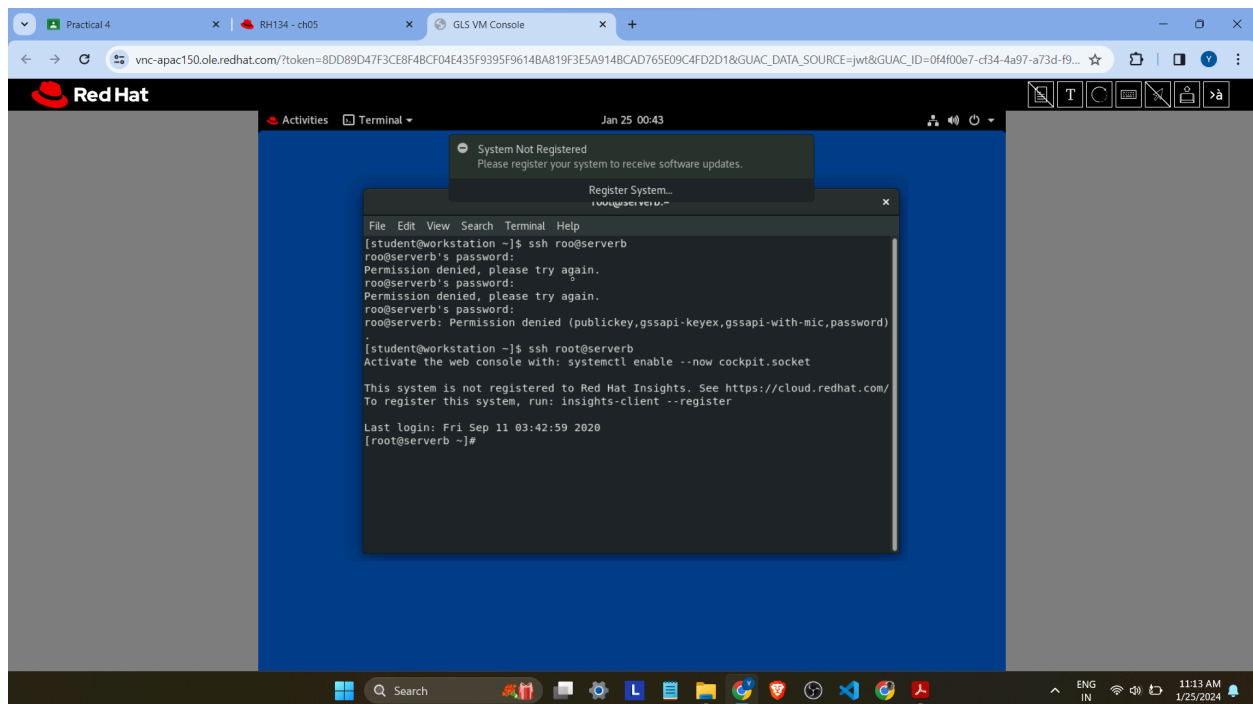
Question 4: Using which command you will be able to get the partition ID of the created partition?
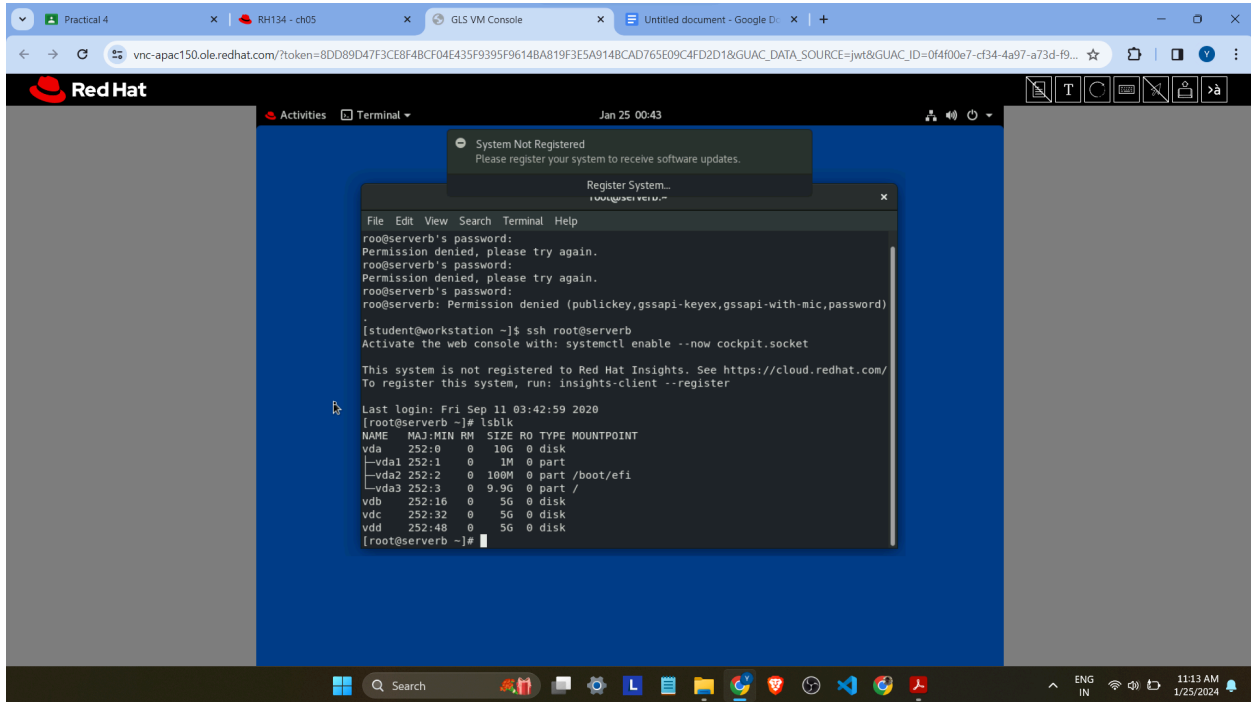
Steps :

Question 1 :

Create and format a partition such that it can be used as swap memory, ensuring that the swap memory is a persistent change in your memory. The swap memory size must be 1.5 GB.

First Login as a root user into serverb using root@serverb

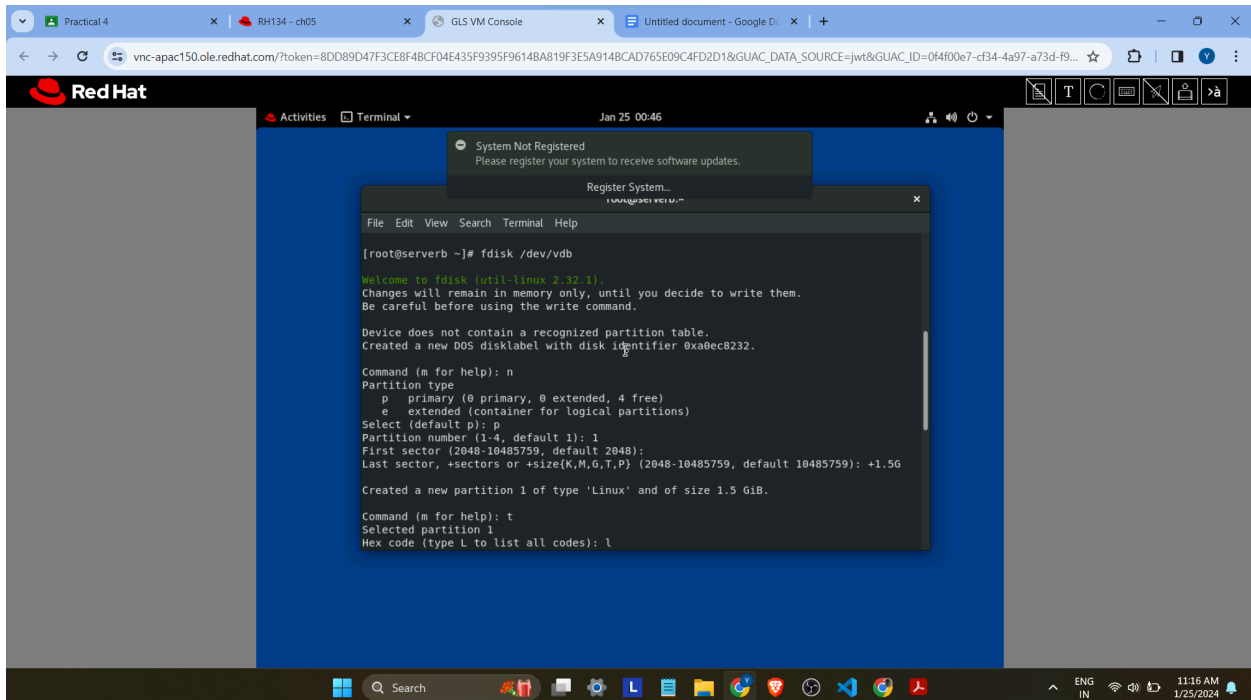**Lsblk** to know the current partitions

Create a partition of vdb using **fdisk /dev/vdb**

Then type **n** to create new partition

Let first sector be default

Type **+1.5G** in last sector to make partition of 1.5 Gb.

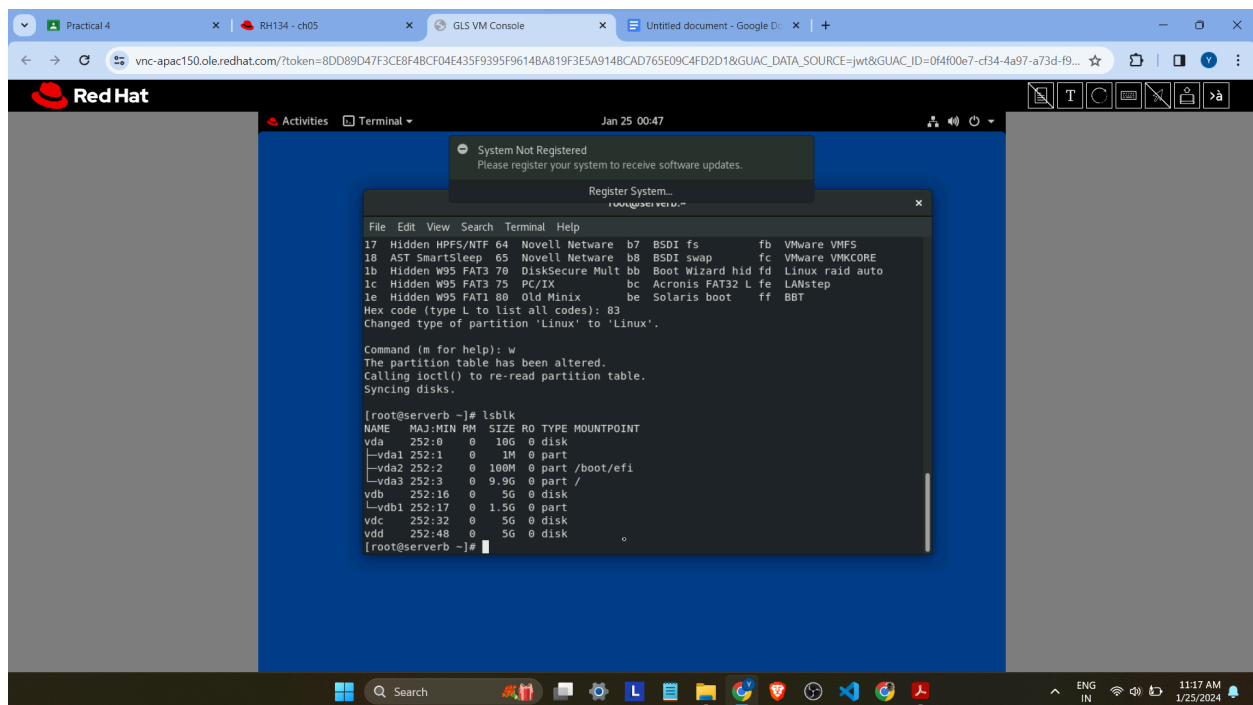Then type <mark>t</mark> to change the type of the partition
Here we can use <mark>L</mark> to get all the possible types and their hex codes
Then type <mark>83</mark> which is the hexcode of Linux
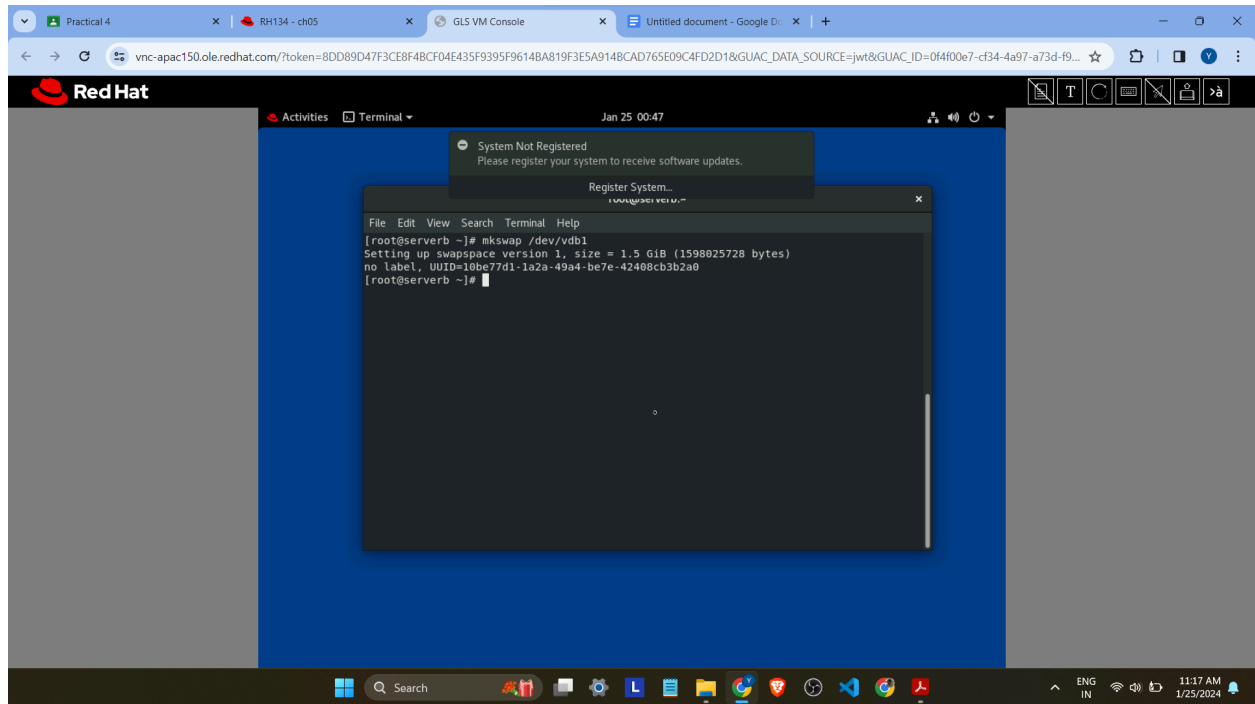Finally press <mark>w</mark> to save changes

Now to use the Partition as Swap memory.

Write <mark>mkswap /dev/vdb1</mark> to make partition vbd1 a swap memory

Copy the UUID from mkswap command and insert it into the fstab file.

Write <mark>vim /etc/fstab</mark> to enter the file

Type <mark>i</mark> to enter into insert mode

And paste the <mark>UUID</mark> with <mark>swap swap defaults 0 0</mark>

Save and exit the file

Then we will use it as SWAP memory with the command: swapon
Also reboot the server after swapon using reboot

Moved to server a because it was not working in server b

Question 2: Demonstrate how to check the swap memory usage details
Check if the swap memory is created using lsblk and free

Here we can see there is swap memory and i haven't used it so it is showing 0 in used
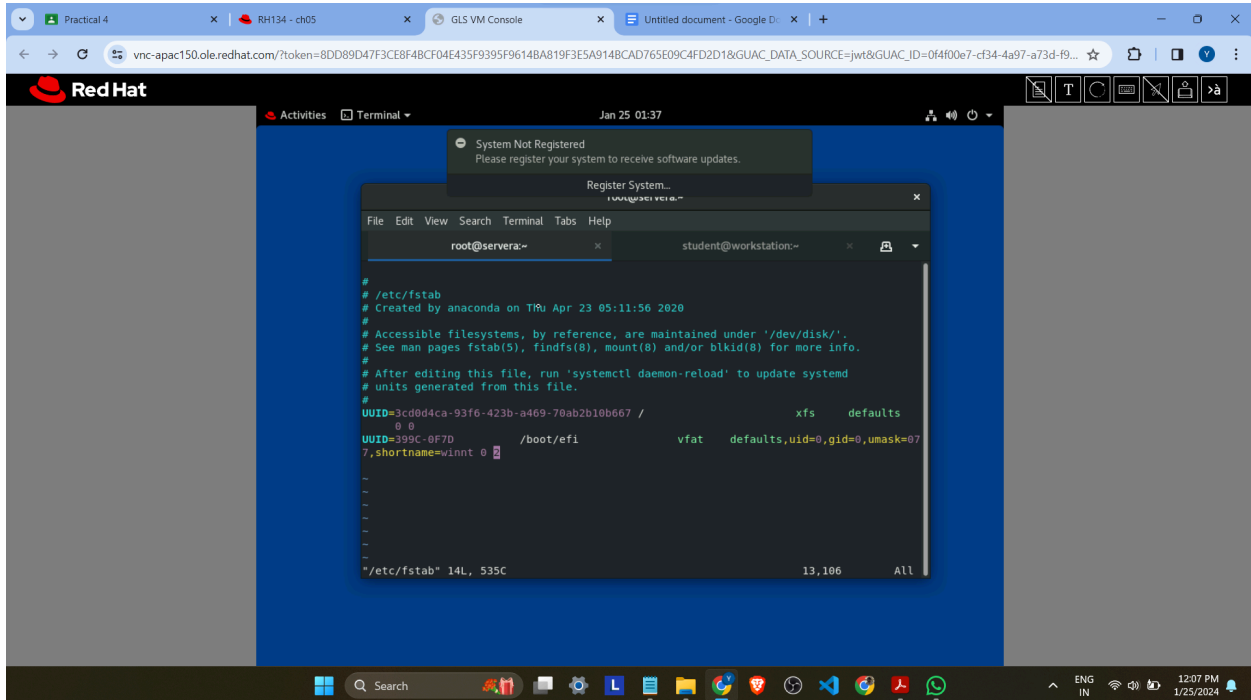
Question 3: Delete the created swap memory partition on server and ensure it is a persistent configuration.

For delete swap memory we'll do all the part in reverse order to delete swap memory

First command is swapoff /dev/vdb1
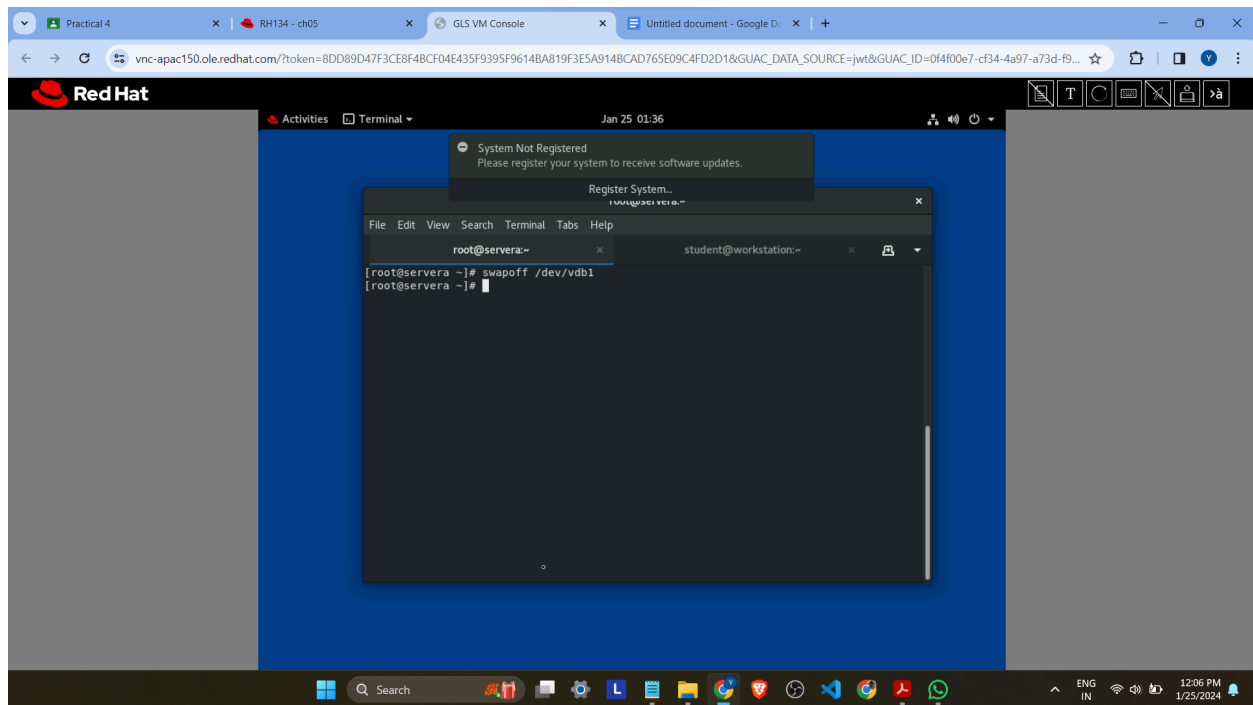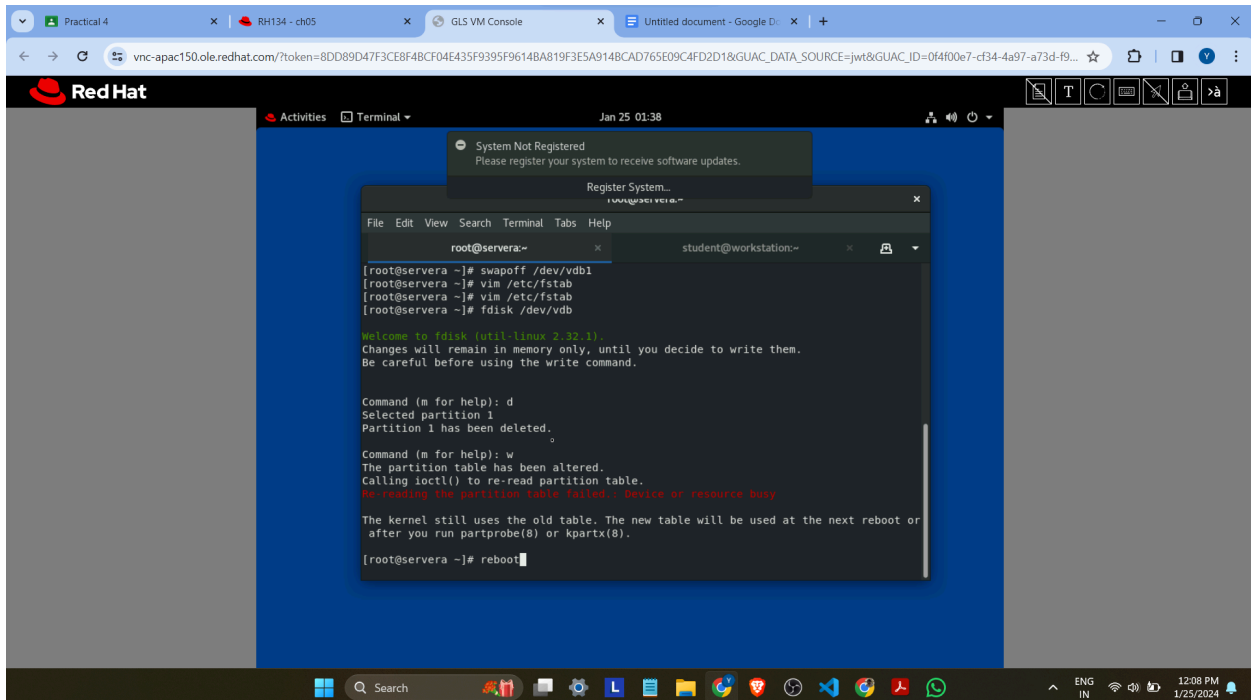
The we delete UUID from the fstab file of vbd1

Then we delete partition with command: fdisk /dev/vdb
We'll write d for delete partition
Then write w to save changes

Question 4: Using which command you will be able to get the partition ID of the created partition?

With command : <mark>Blkid</mark> we can able to get partition ID of all partitions

Now we can see with <mark>lsblk</mark> that our partition is deleted or not