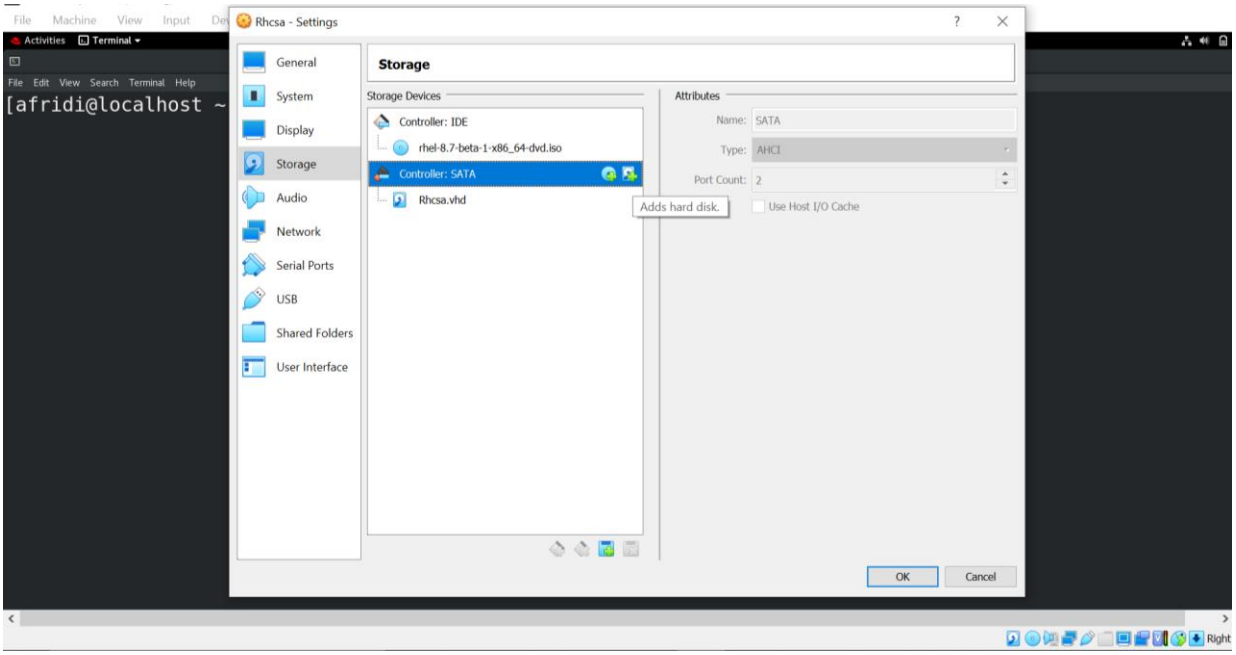
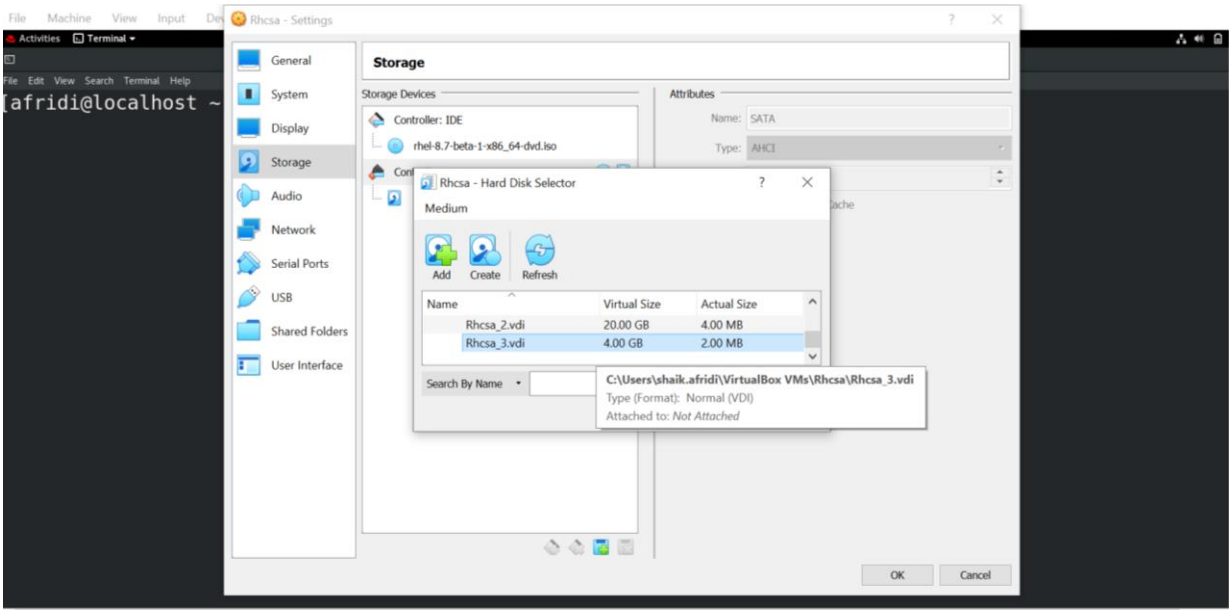
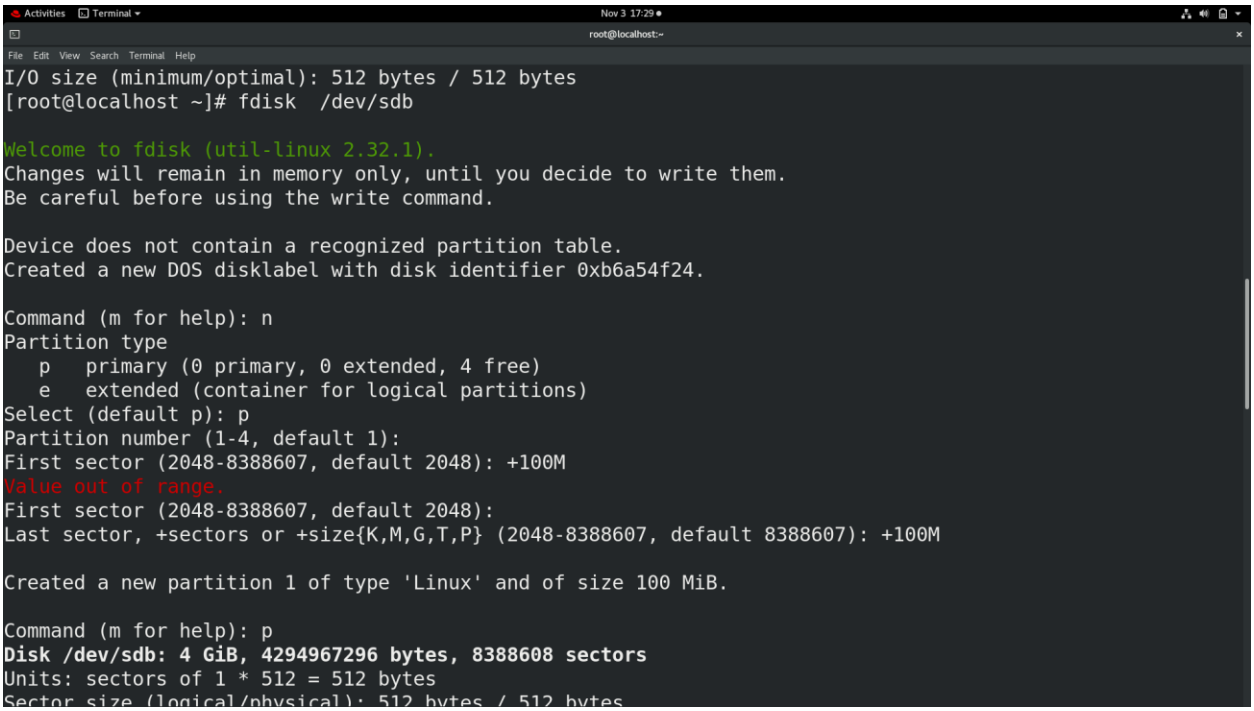
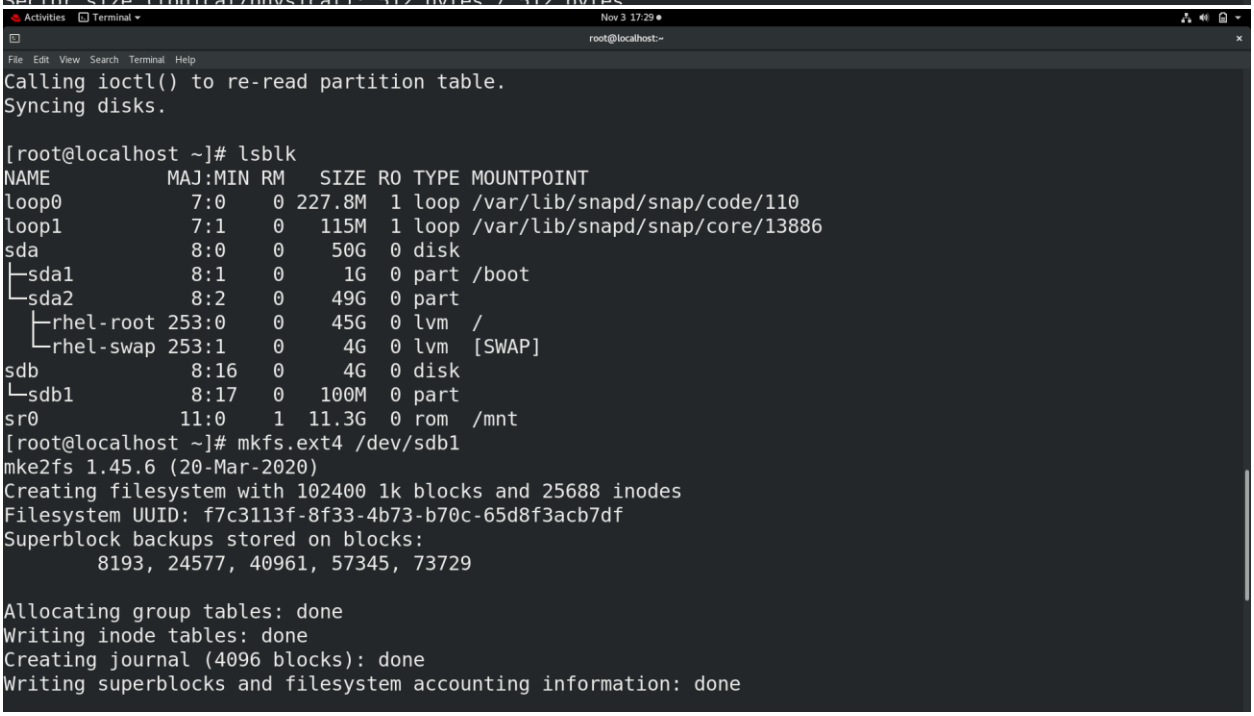
1. Create one partitions having size 100MB and mount it on data.

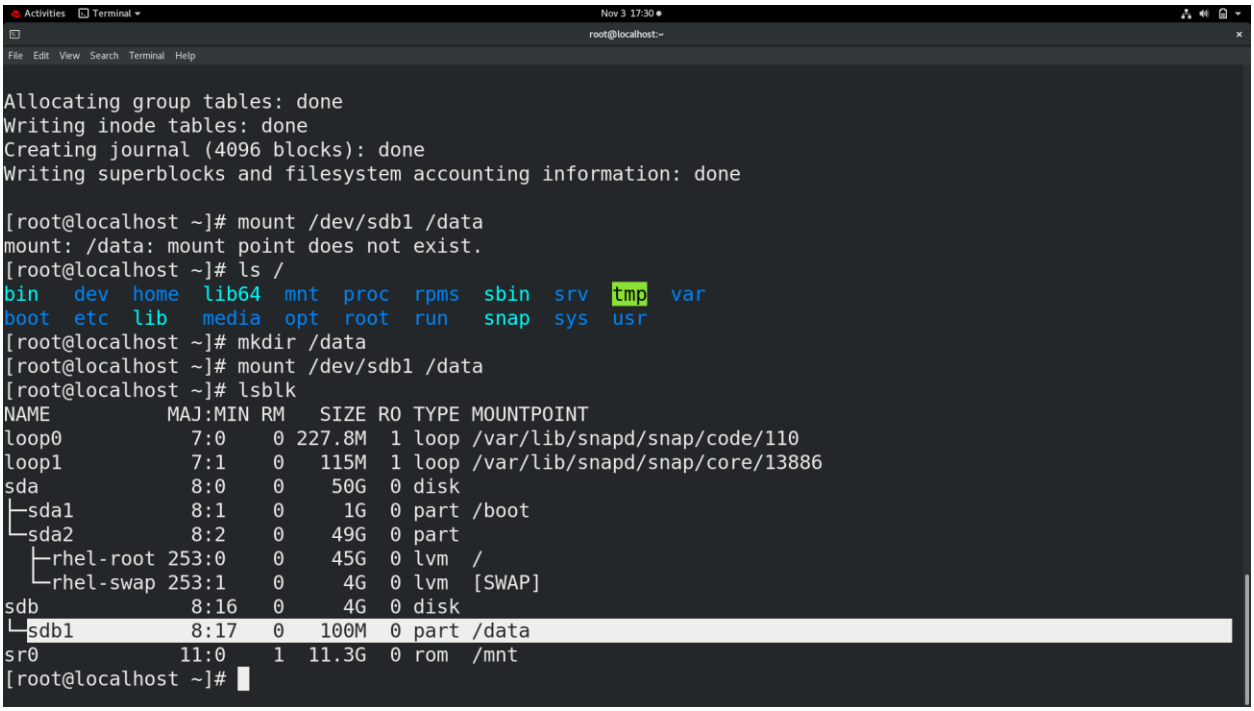




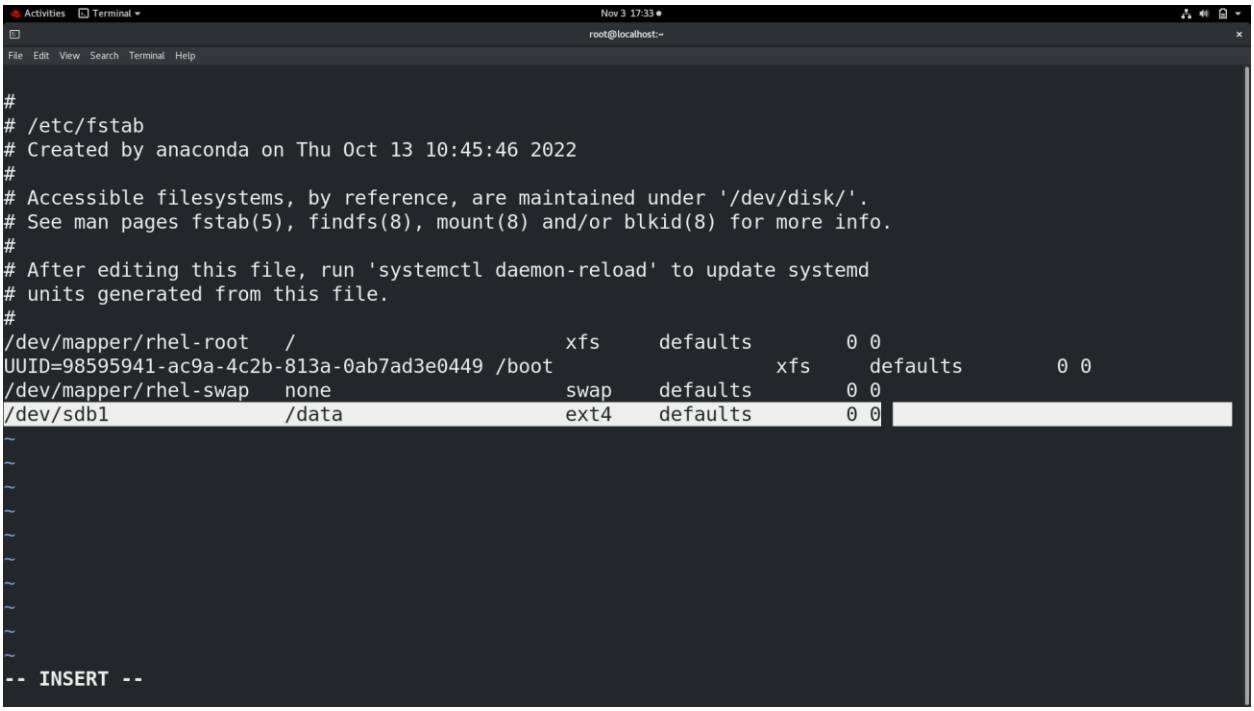

```
[root@localhost ~]# lsblk
NAME          MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
loop0           7:0    0 227.8M  1 loop /var/lib/snapd/snap/code/110
loop1           7:1    0   115M  1 loop /var/lib/snapd/snap/core/13886
sda             8:0    0    50G  0 disk
├─sda1          8:1    0     1G  0 part /boot
└─sda2          8:2    0    49G  0 part
  ├─rhel-root 253:0    0    45G  0 lvm  /
  └─rhel-swap 253:1    0     4G  0 lvm  [SWAP]
sdb             8:16   0     4G  0 disk
sr0            11:0    1  11.3G  0 rom  /mnt
[root@localhost ~]# fdisk -l /dev/sdb
Disk /dev/sdb: 4 GiB, 4294967296 bytes, 8388608 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@localhost ~]# fdisk  /dev/sdb

Welcome to fdisk (util-linux 2.32.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0xb6a54f24.

Command (m for help): n
Partition type
```

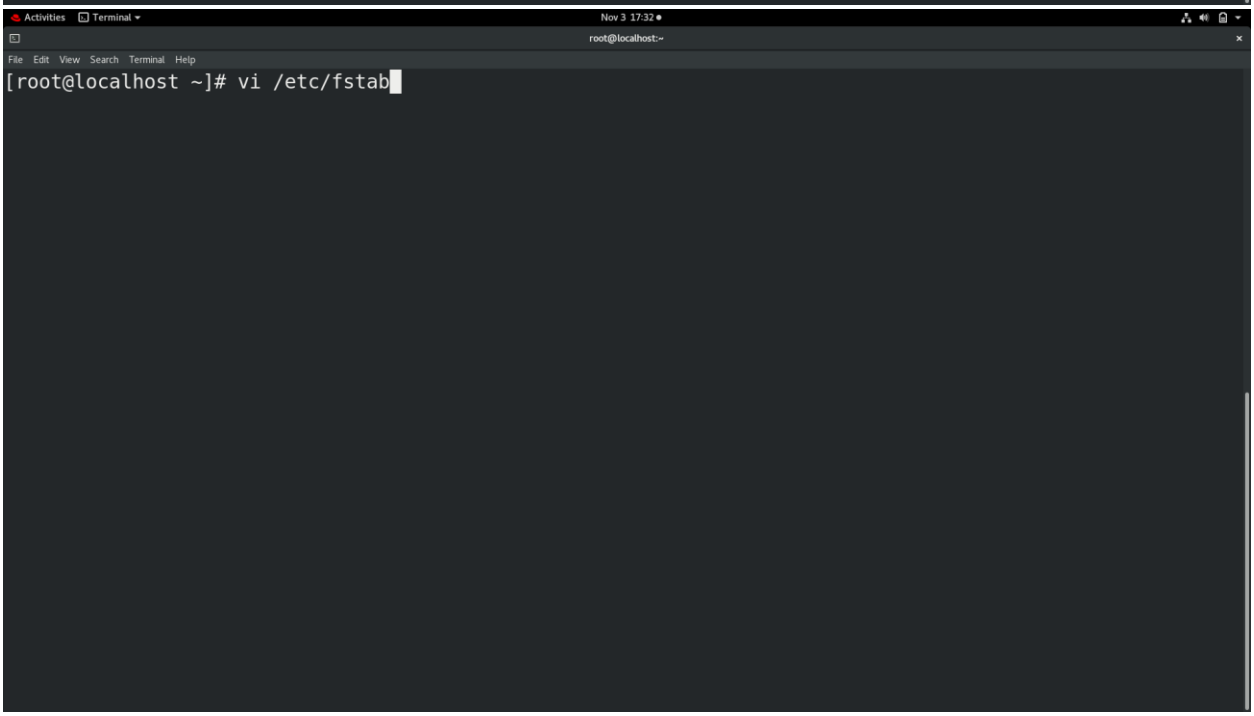

Activities
Terminal
Nov 3 17:29
root@localhost:~
File Edit View Search Terminal Help
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@localhost ~]# fdisk /dev/sdb
Welcome to fdisk (util-linux 2.32.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0xb6a54f24.
Command (m for help): n
Partition type
p primary (0 primary, 0 extended, 4 free)
e extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1):
First sector (2048-8388607, default 2048): +100M
Value out of range.
First sector (2048-8388607, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-8388607, default 8388607): +100M
Created a new partition 1 of type 'Linux' and of size 100 MiB.
Command (m for help): p
Disk /dev/sdb: 4 GiB, 4294967296 bytes, 8388608 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes


Activities
Terminal
Nov 3 17:29
root@localhost:~
File Edit View Search Terminal Help
Calling ioctl() to re-read partition table.
Syncing disks.
[root@localhost ~]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
loop0 7:0 0 227.8M 1 loop /var/lib/snapd/snap/code/110
loop1 7:1 0 115M 1 loop /var/lib/snapd/snap/core/13886
sda 8:0 0 50G 0 disk
├─sda1 8:1 0 1G 0 part /boot
└─sda2 8:2 0 49G 0 part
├─rhel-root 253:0 0 45G 0 lvm /
└─rhel-swap 253:1 0 4G 0 lvm [SWAP]
sdb 8:16 0 4G 0 disk
└─sdb1 8:17 0 100M 0 part
sr0 11:0 1 11.3G 0 rom /mnt
[root@localhost ~]# mkfs.ext4 /dev/sdb1
mke2fs 1.45.6 (20-Mar-2020)
Creating filesystem with 102400 1k blocks and 25688 inodes
Filesystem UUID: f7c3113f-8f33-4b73-b70c-65d8f3acb7df
Superblock backups stored on blocks:
8193, 24577, 40961, 57345, 73729
Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done



Extra:- For permanent mount we can use below steps


Activities
Terminal
Nov 3 17:33
root@localhost:~
File Edit View Search Terminal Help
#
/etc/fstab
Created by anaconda on Thu Oct 13 10:45:46 2022
#
Accessible filesystems, by reference, are maintained under '/dev/disk/'.
See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info.
#
After editing this file, run 'systemctl daemon-reload' to update systemd
units generated from this file.
#
/dev/mapper/rhel-root / xfs defaults 0 0
UUID=98595941-ac9a-4c2b-813a-0ab7ad3e0449 /boot xfs defaults 0 0
/dev/mapper/rhel-swap none swap defaults 0 0
/dev/sdb1 /data ext4 defaults 0 0
~
~
~
~
~
~
~
~
~
~
-- INSERT --


Activities
Terminal
Nov 3 17:32
root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# vi /etc/fstab