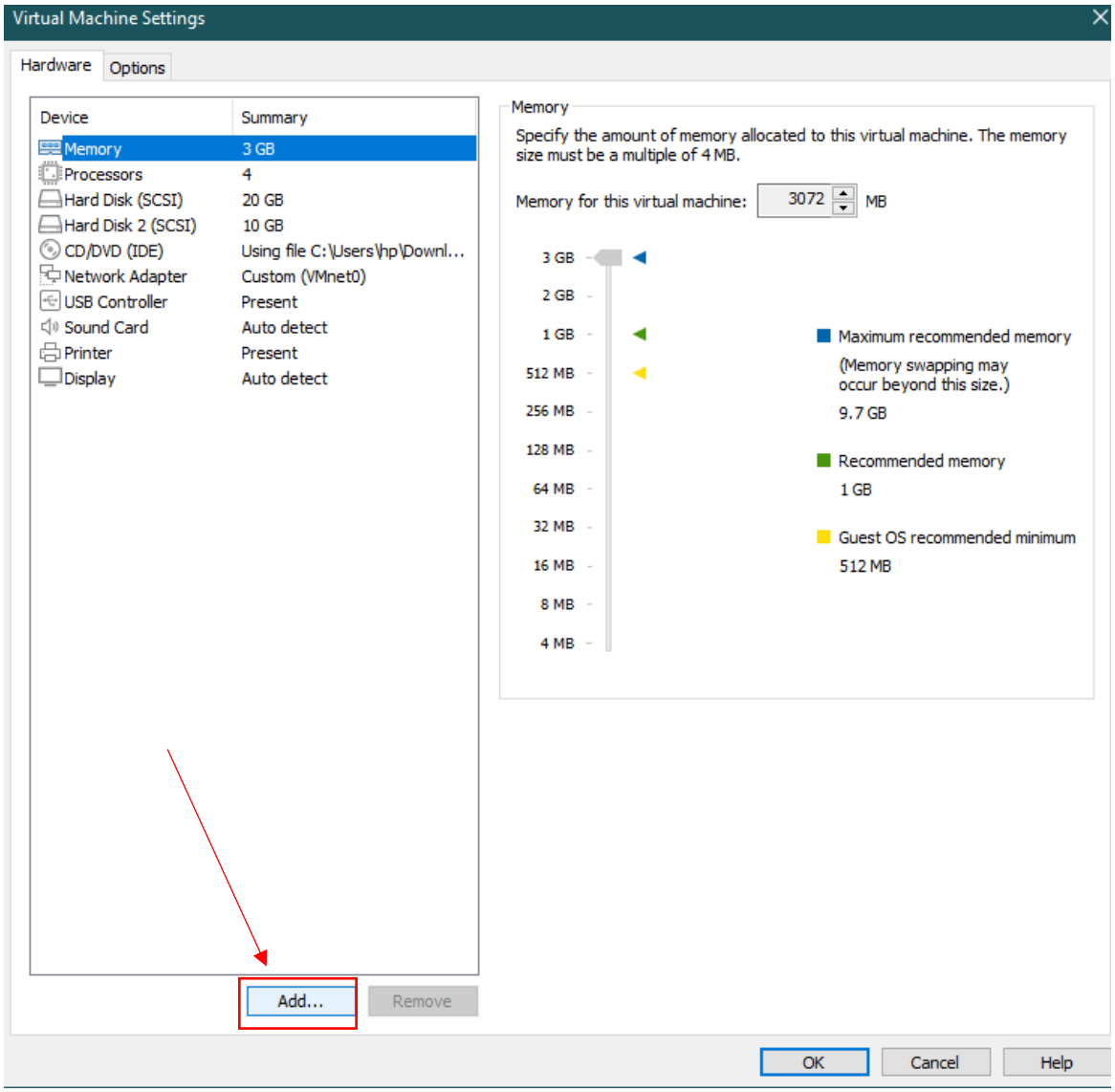
LETSUPGRADE LINUX ADMINSTRATION

ASSIGNMENT – 2

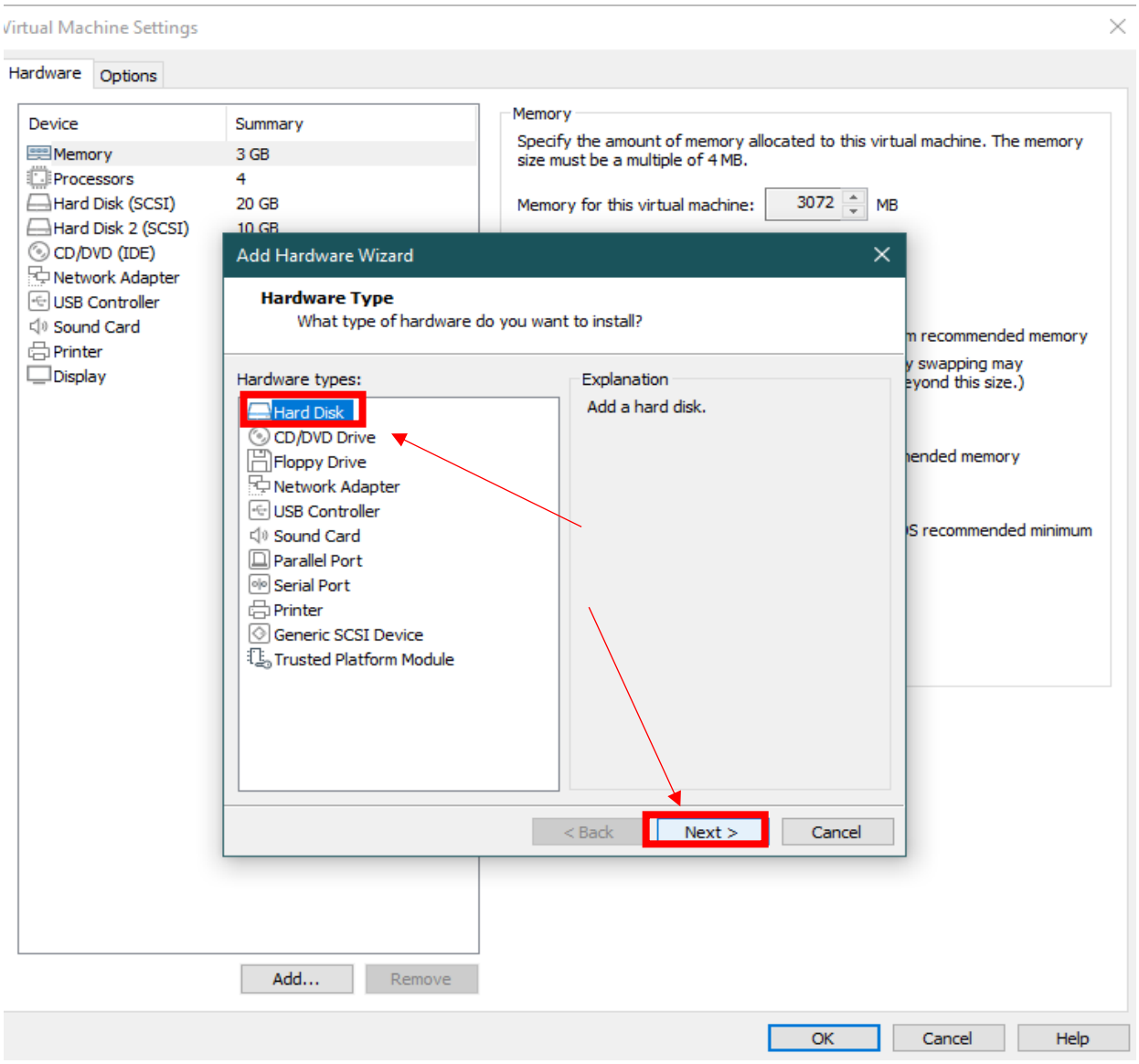
Q.1> Add a 10GB disk to the CentOS.

Ans. To add 10GB Disk to CentOS, Follow below steps:

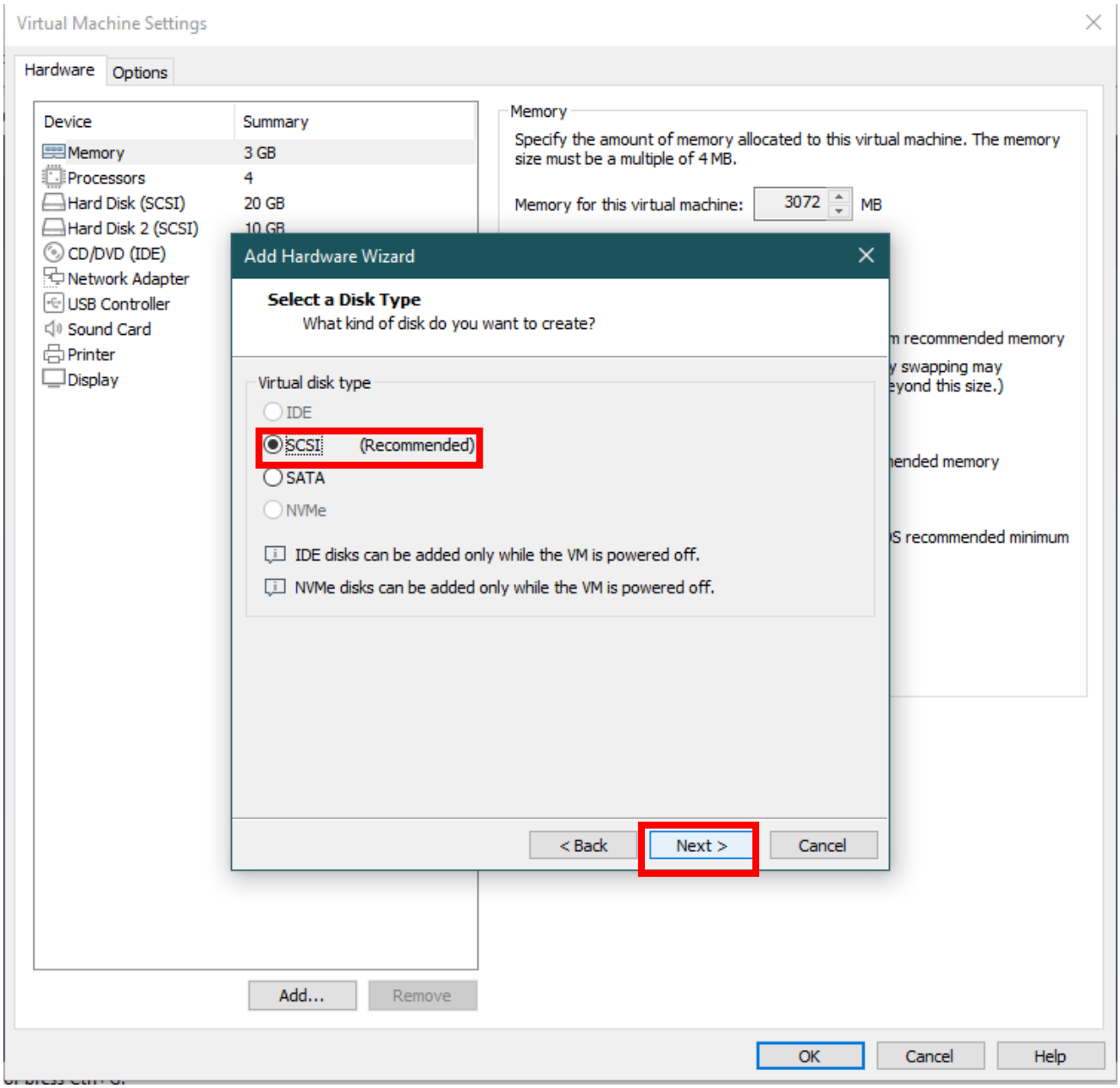
1. Go to virtual Machine settings, and click on add Button.



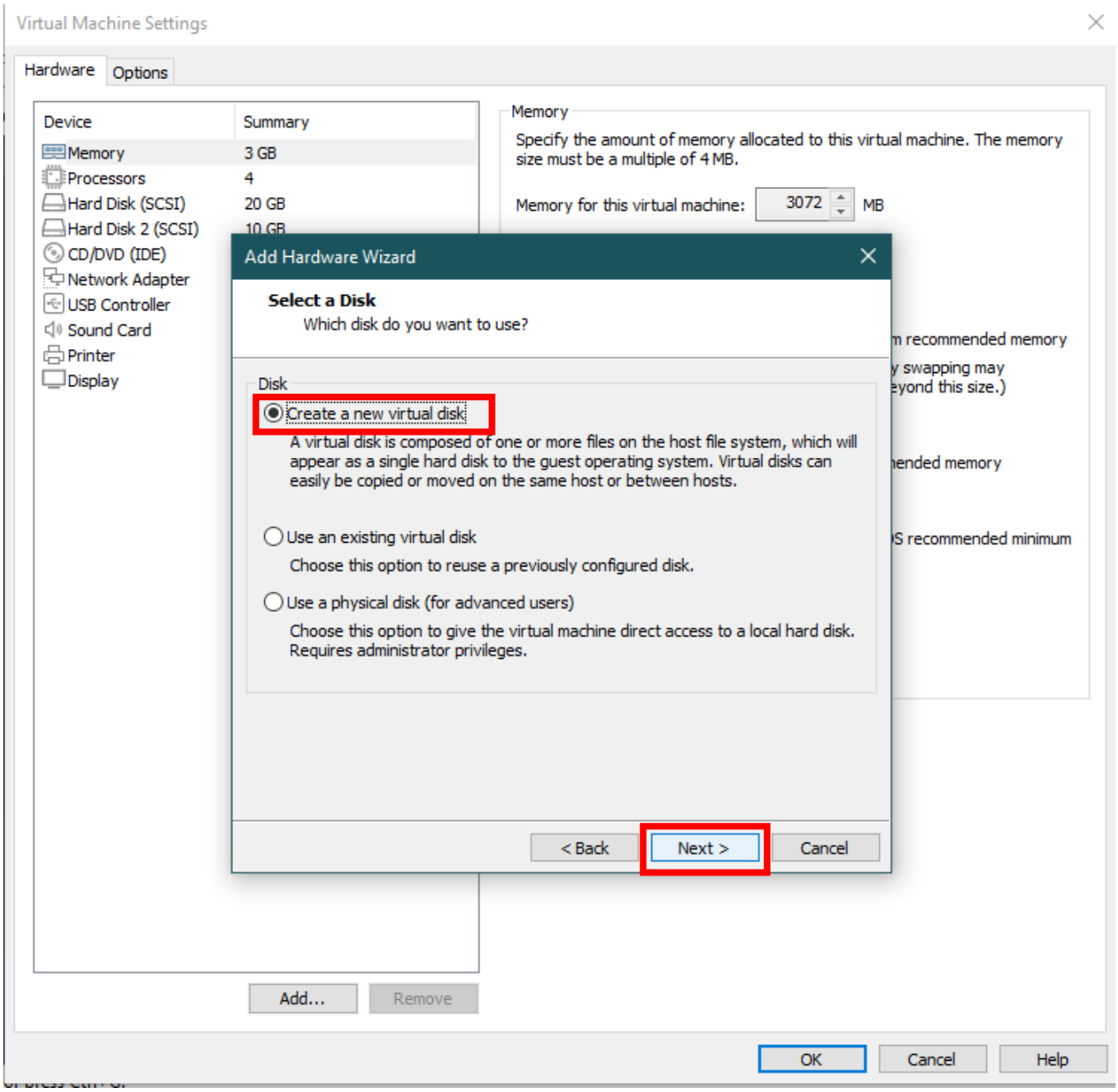
2. Click on Hard Disk and Next



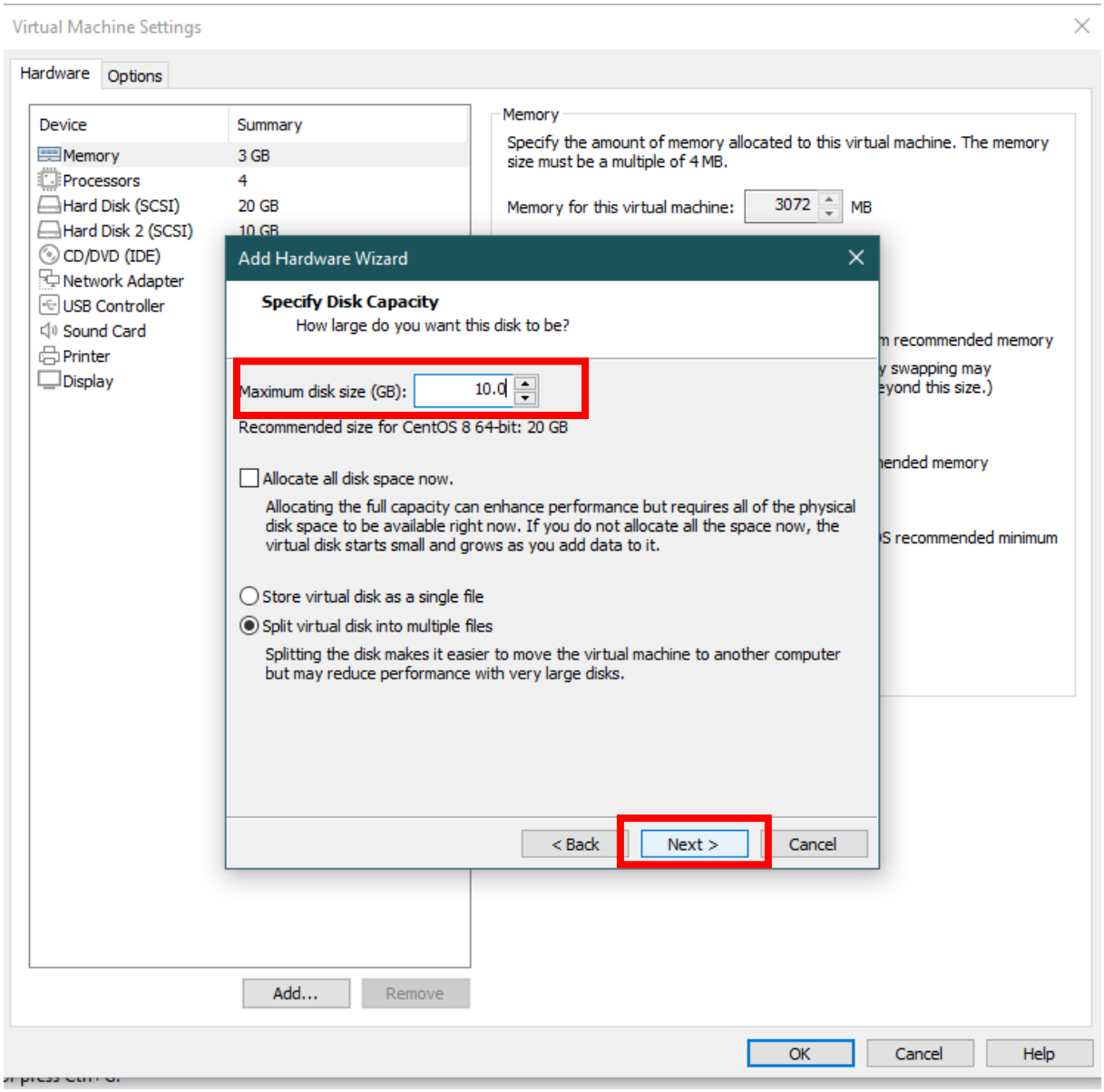
3. Click on SCSI and NEXT



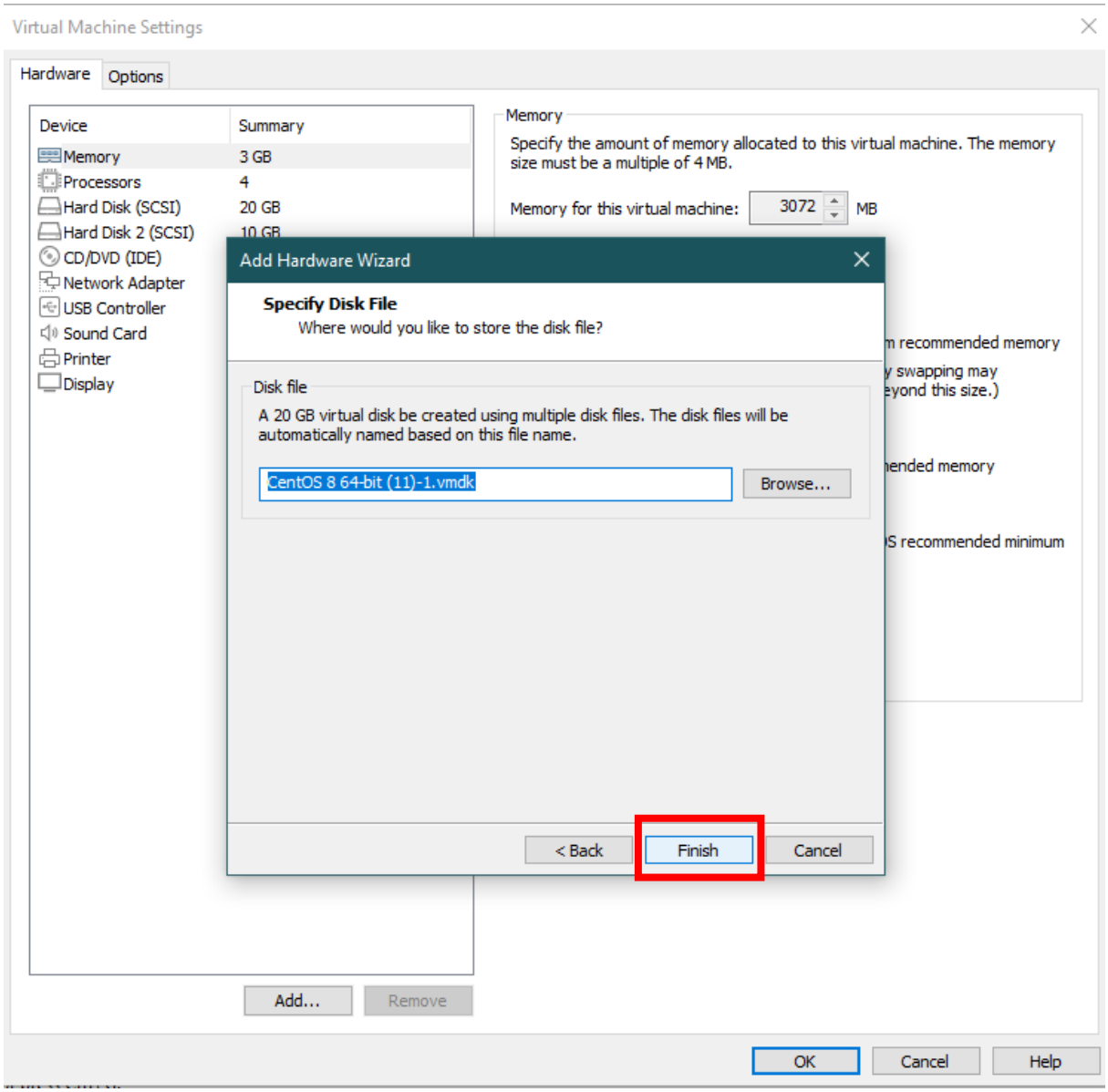
4. Click on create a new virtual disk and click NEXT



5. Enter Size 10GB and click NEXT

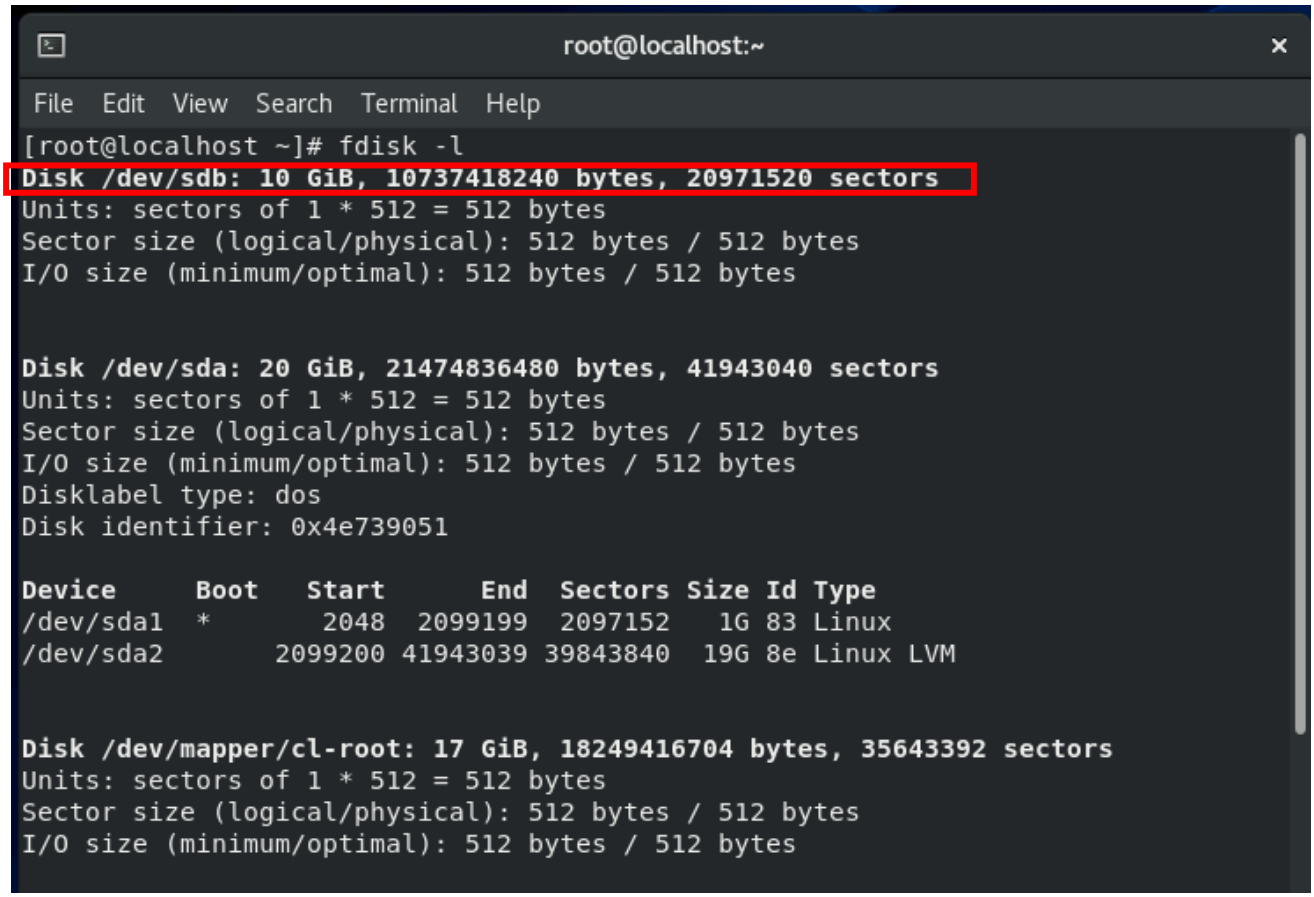


6. Now Click Finish



Now Boot into CentOS (Make sure you Take root access by Typing "sudo su") and open Terminal, Enter command

- "fdisk -l" to check disk created or not

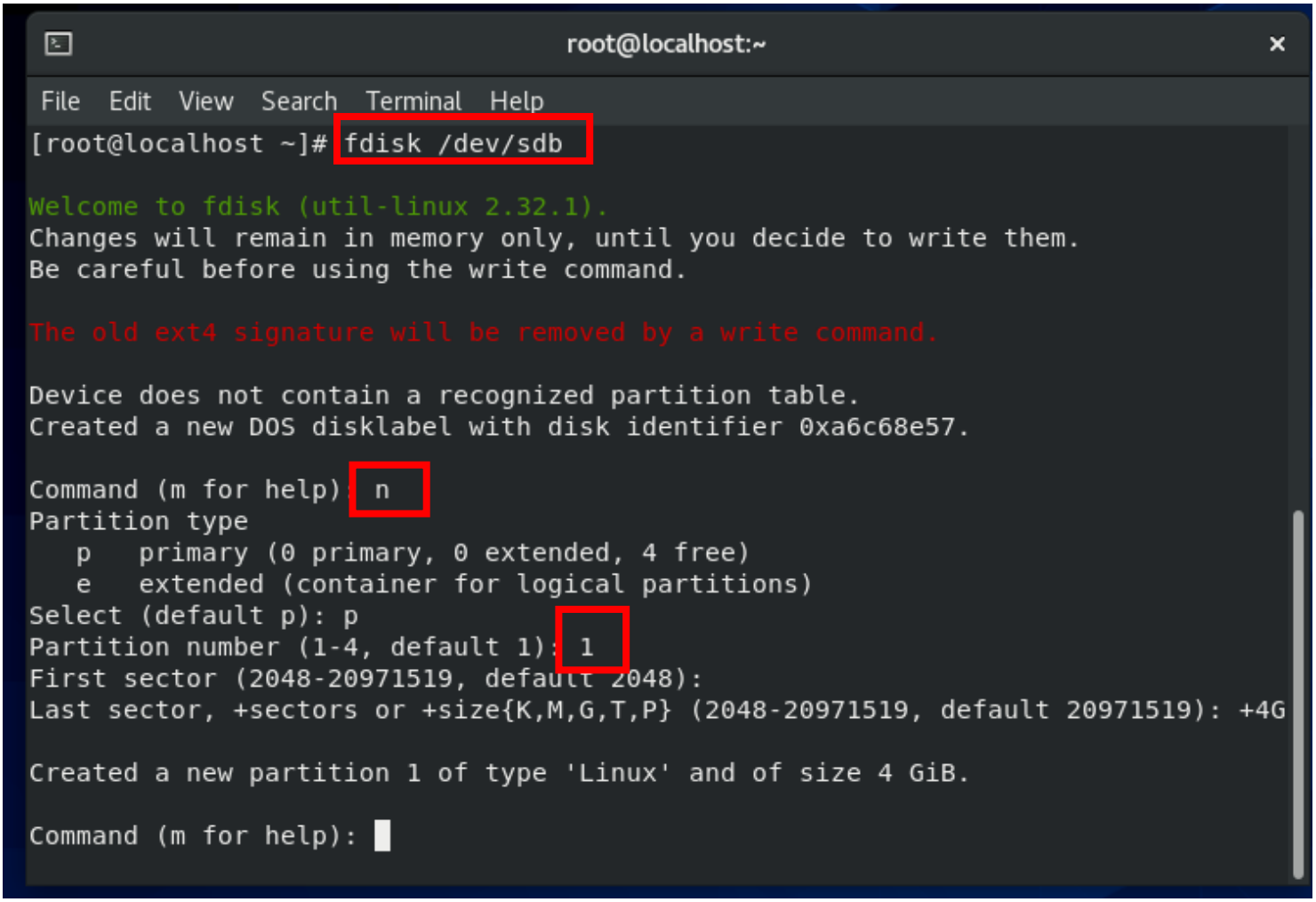


In Our case Disk is created

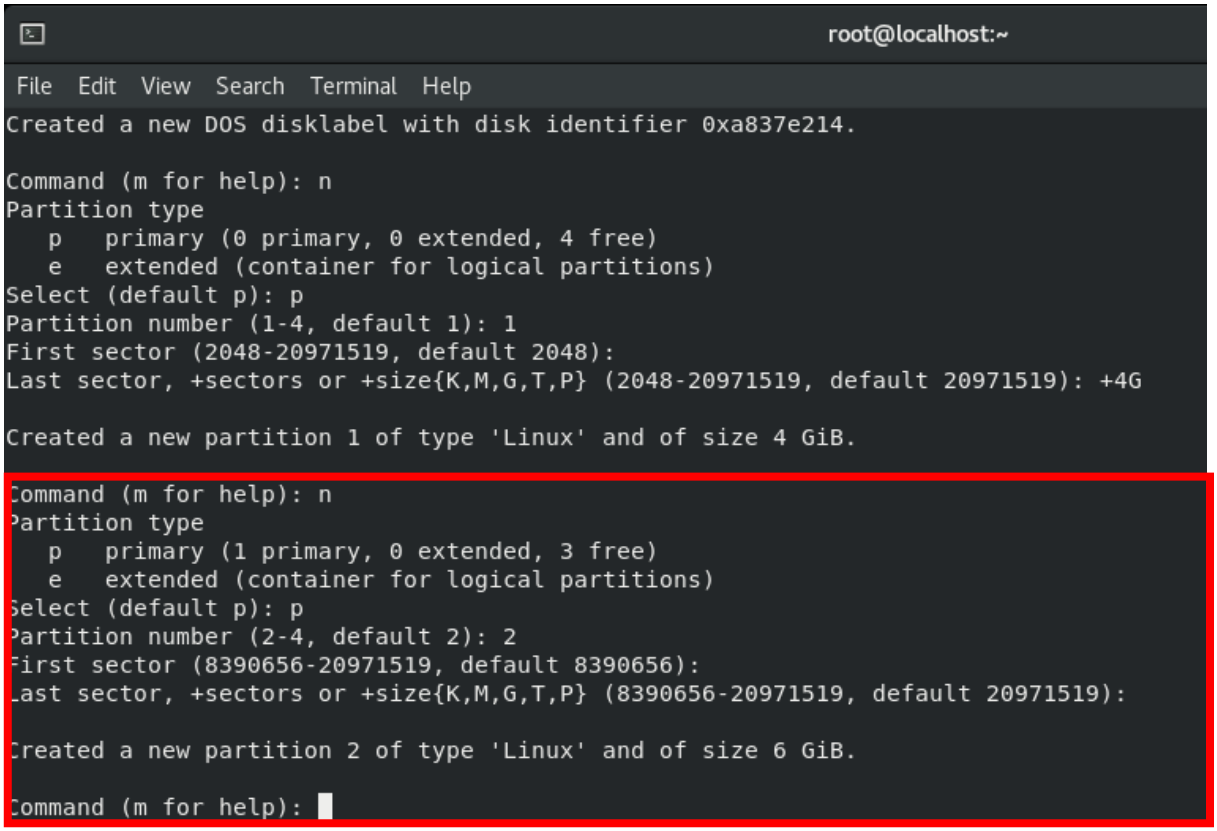
Q.2> Create 2 Partitions 4GB and 6GB of Space respectively.

Ans. To create Two Partitions of 4GB and 6GB follow commands

- fdisk /dev/sdb (in different cases it differ)
- n
- p
- 1
- (In First Sector step you may hit Enter without entering any value)
- +4G



In case of 2nd Partition Type “n” Simply hit Enter on default values



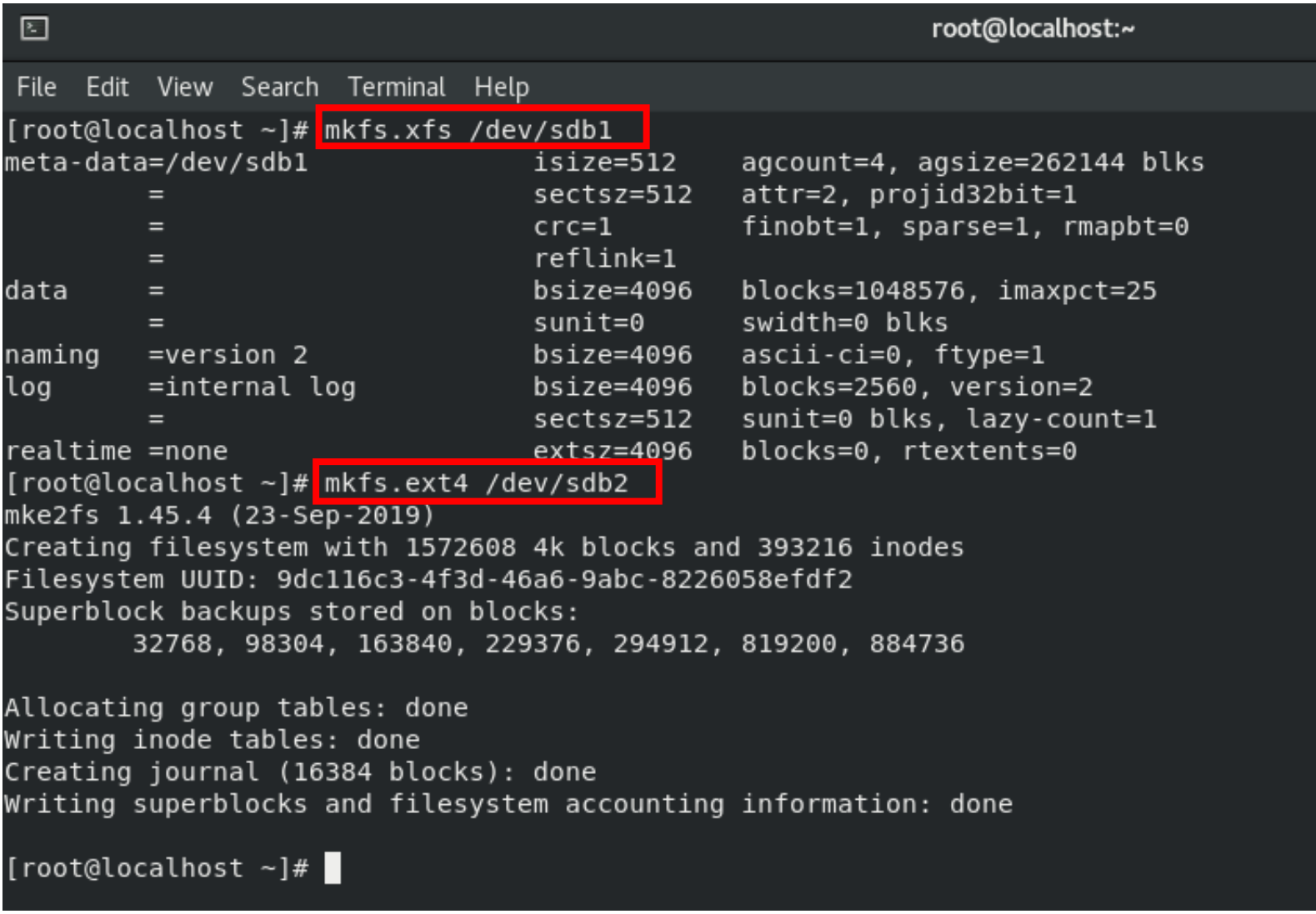
And type W and Hit enter to save changs

Q.3> Format 4GB with xfs and 6GB with ext4 file system.

Ans.

Formatting And Creating File System Using **mkfs** Command

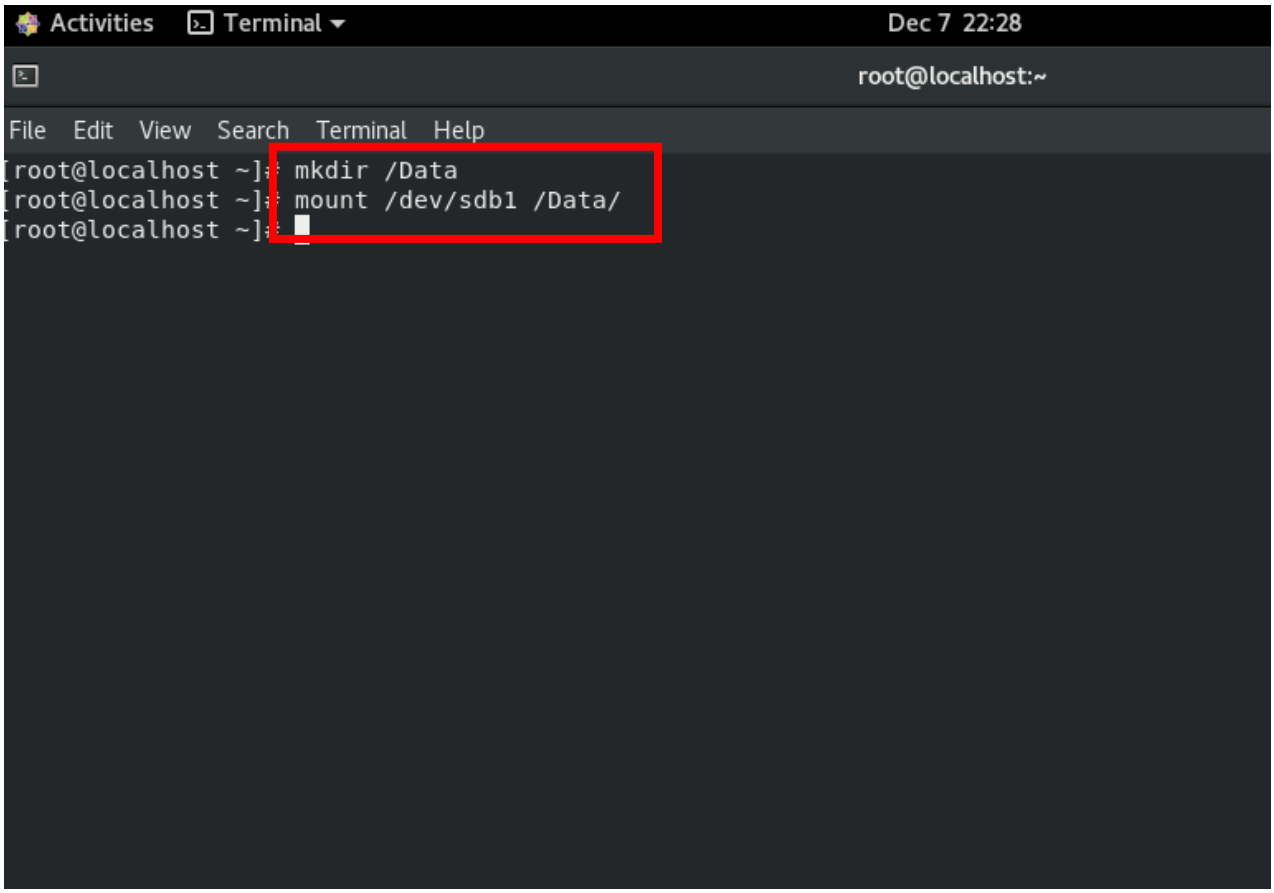
- mkfs.xfs /dev/sdb1
- mkfs.ext4 /dev/sdb2



Q.4> Mount 4GB and 6GB in /data and /music directory respectively.

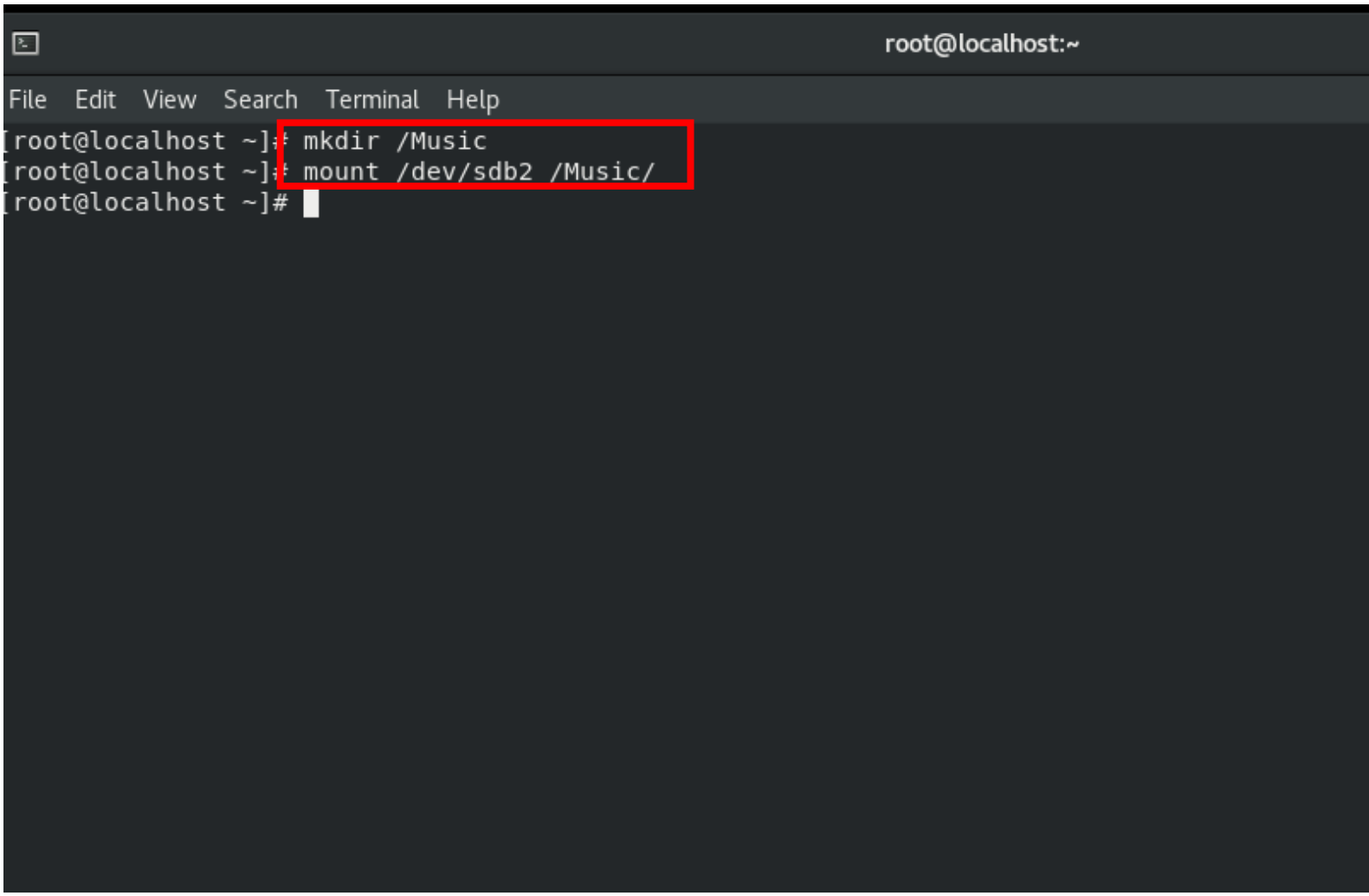
Ans. Step 1

1. Make Directory /Data by “mkdir /Data”
2. Mount using “mount /dev/sdb1 /Data/”



Step 2

1. Make Directory /Music by “mkdir /Music”
2. Mount using “mount /dev/sdb1 /Music/”

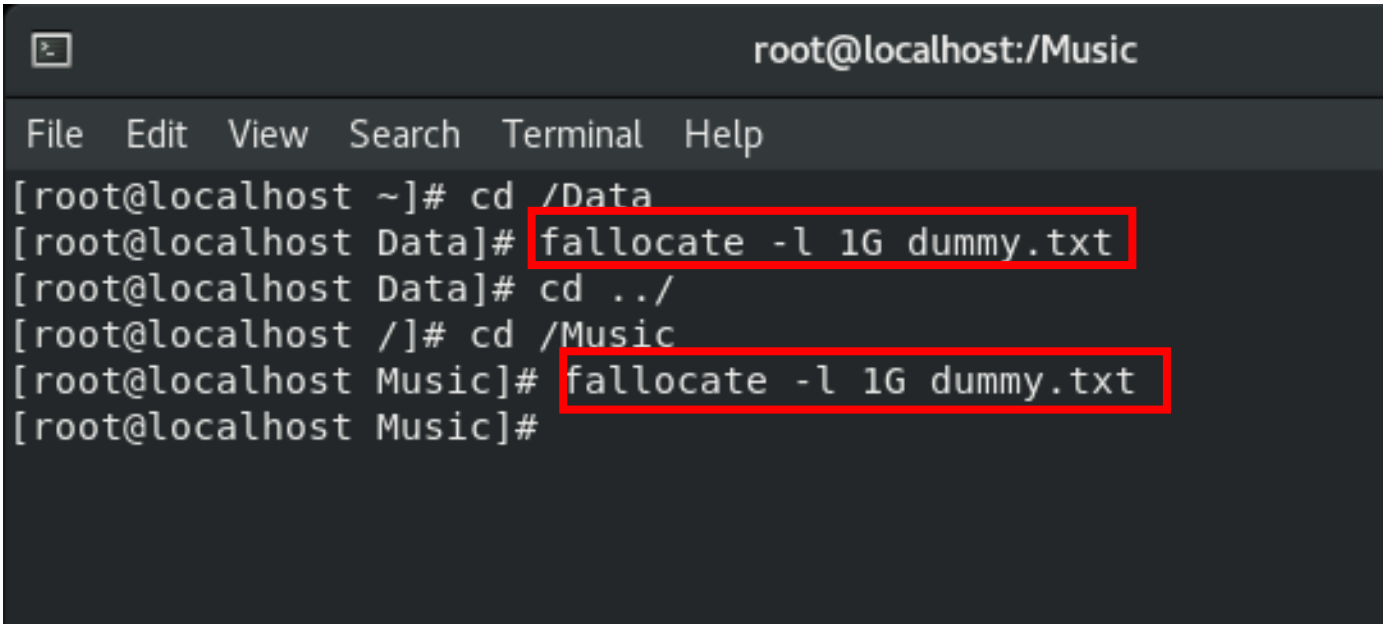


Q.5> Create one file of 1GB in each of the mount point created above.

Ans. Go to Directory /Data and Directory /Music

Type command " fallocate -l 1G dummy.txt "

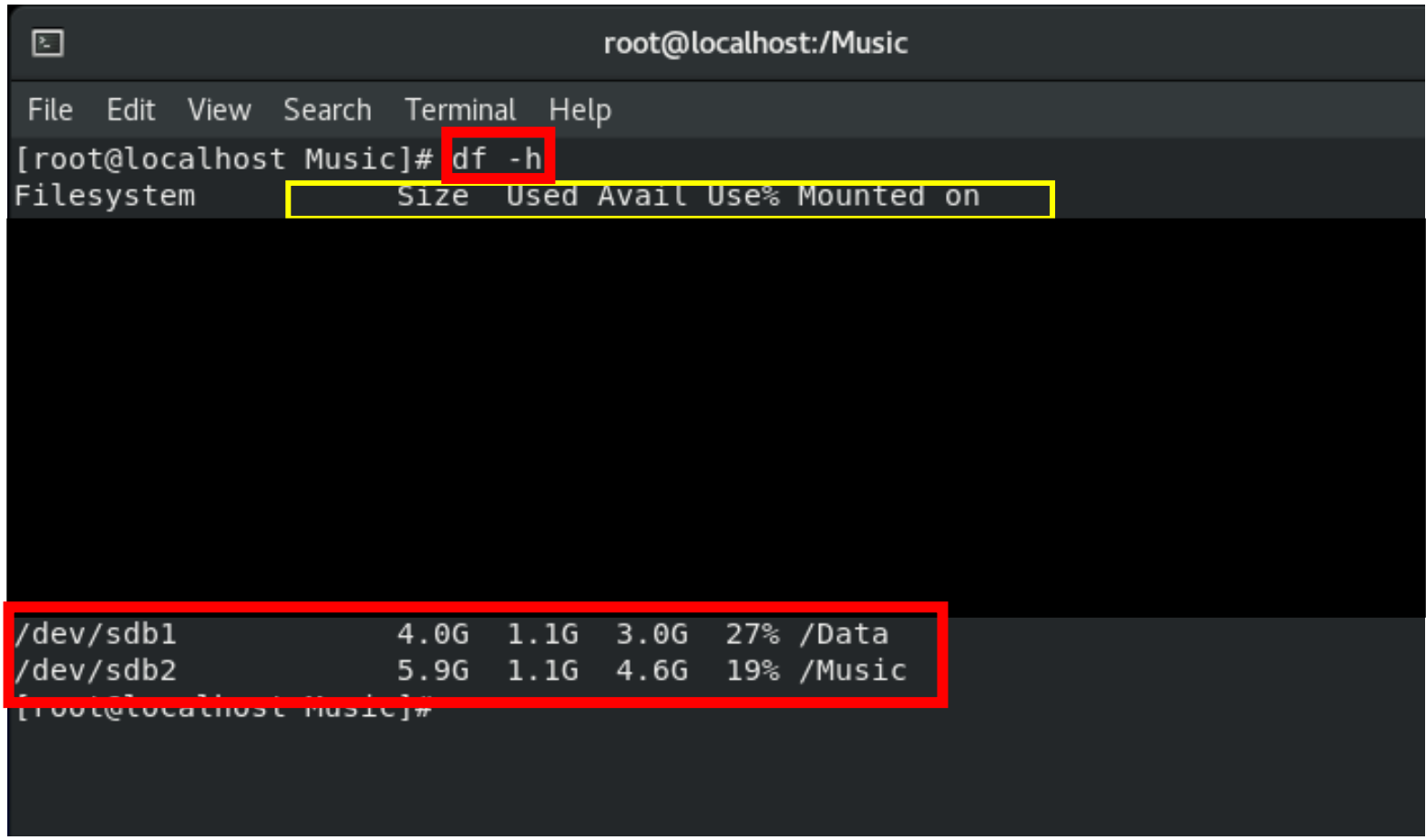
In both cases.



Q.6> Verify the disk Consumption and disk space free in the mounted partitions.

Ans.

Type Command "df-h" for checking



SUBMITTED BY : **Vishal**

SUBMITTED TO : **Mr. Binayak P Gupta**