LINUX ADMINSTRATION

ASSIGNMENT 2nd

Question 1

1. Add a 10GB disk to the CentOS.

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

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

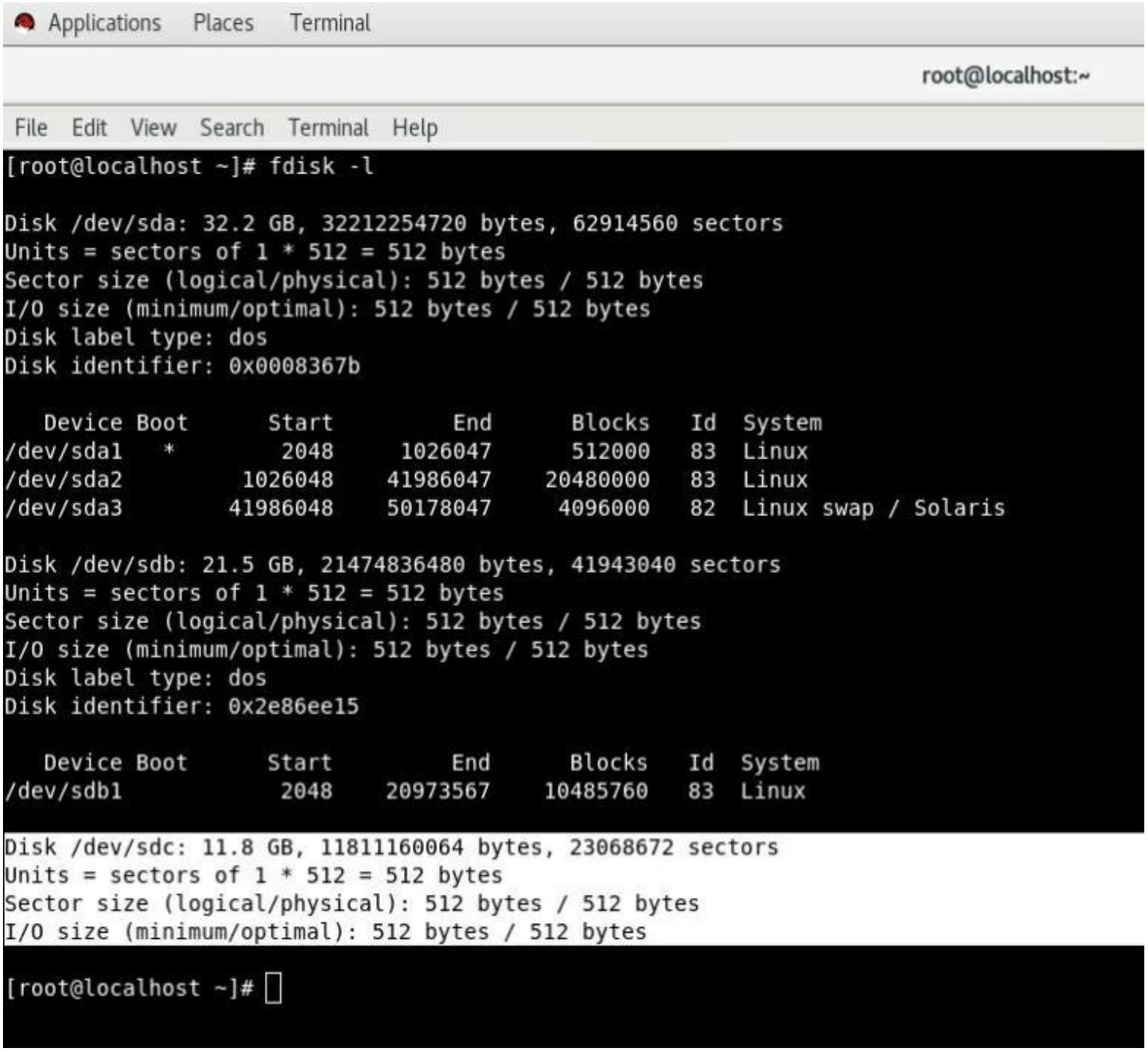
4. Mount 4GB and 6GB in /data and /music directory respectively.

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

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

1. Add a 10GB disk to the CentOS.

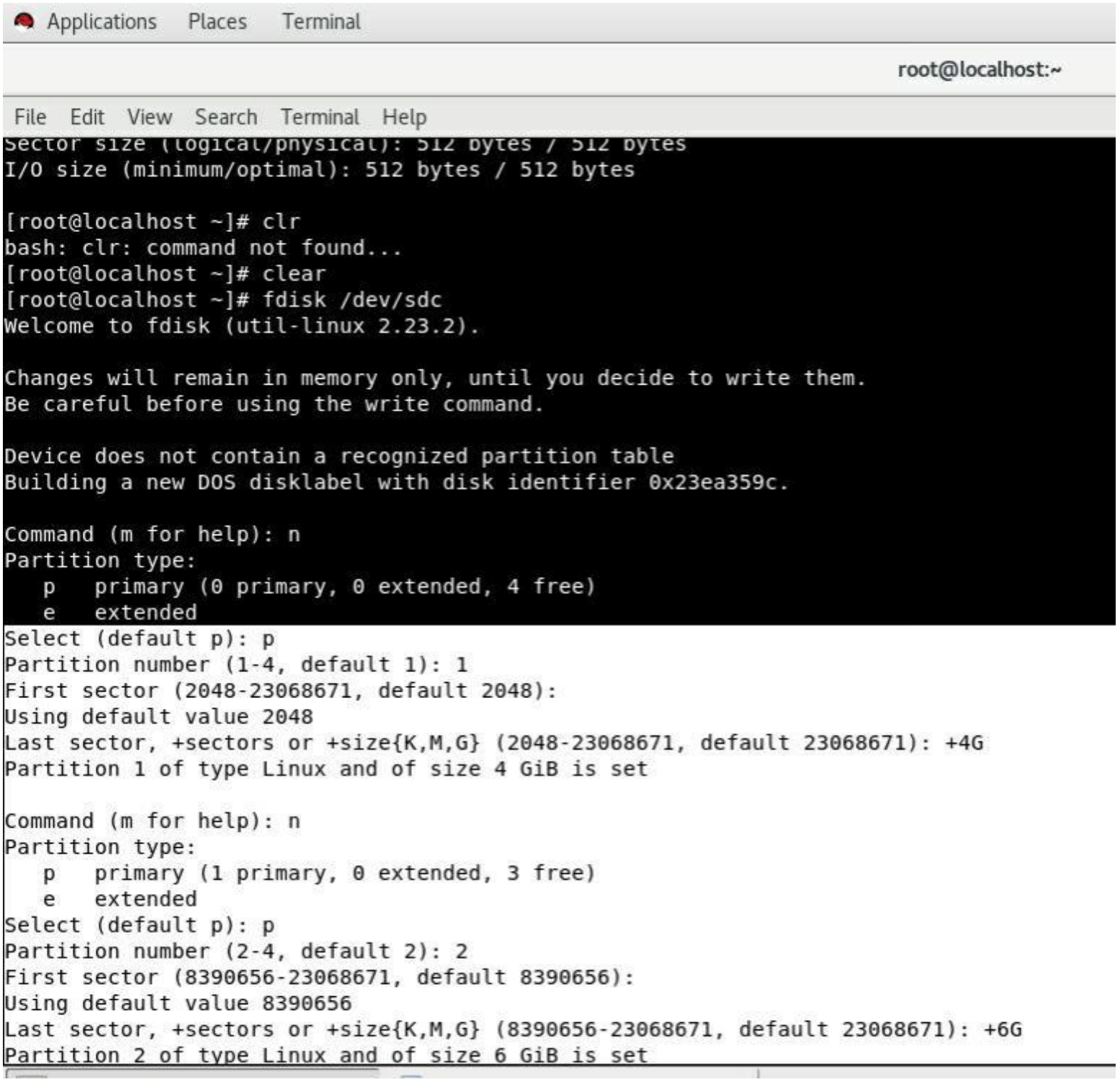
Ans. Verify That Disk Is Added Using **fdisk -l**



#I Have Taken 11Gb To Avoid Any Kind Of Storage Issue.

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

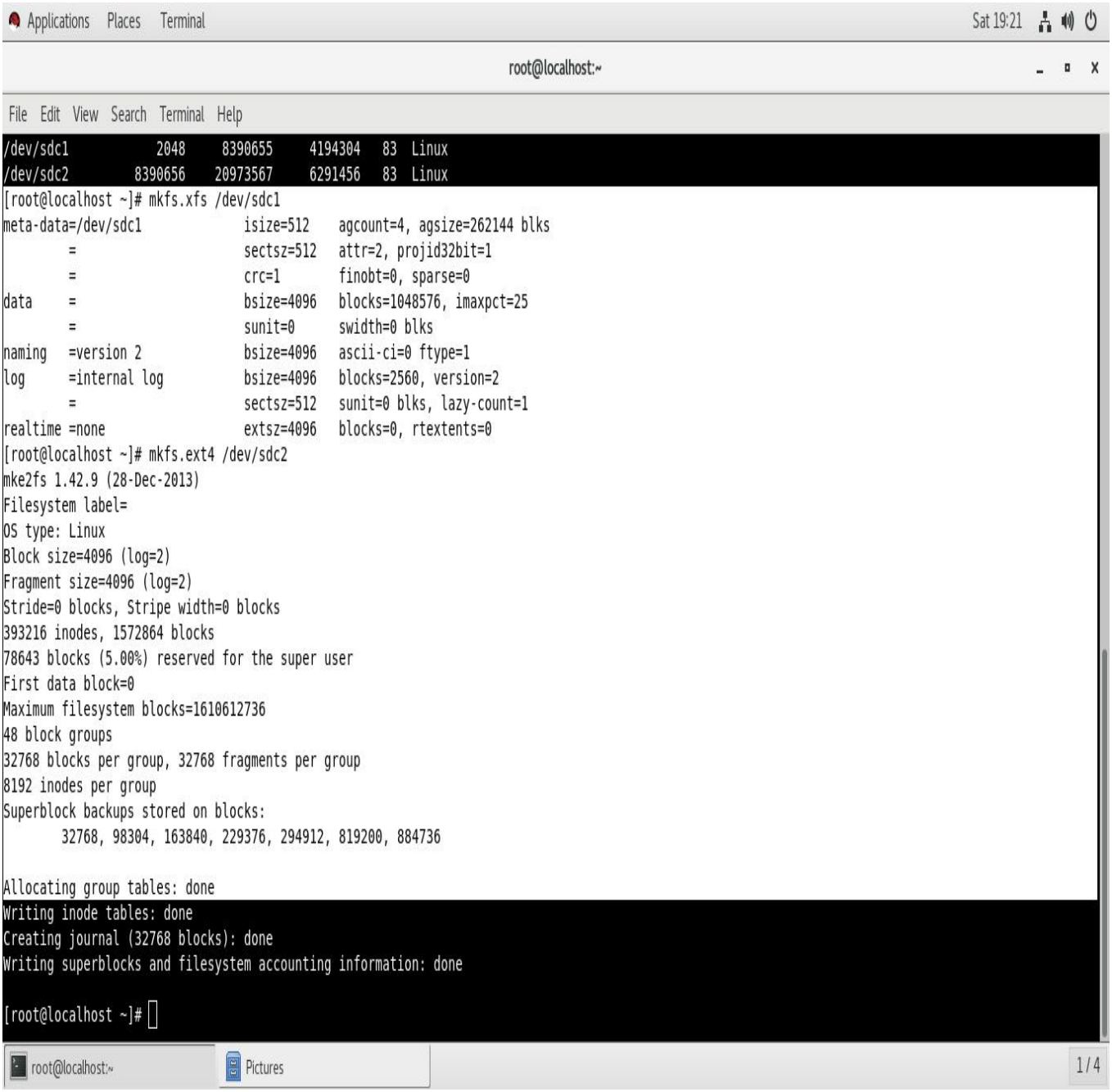
Ans. Creating 2 Partition



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

Ans.

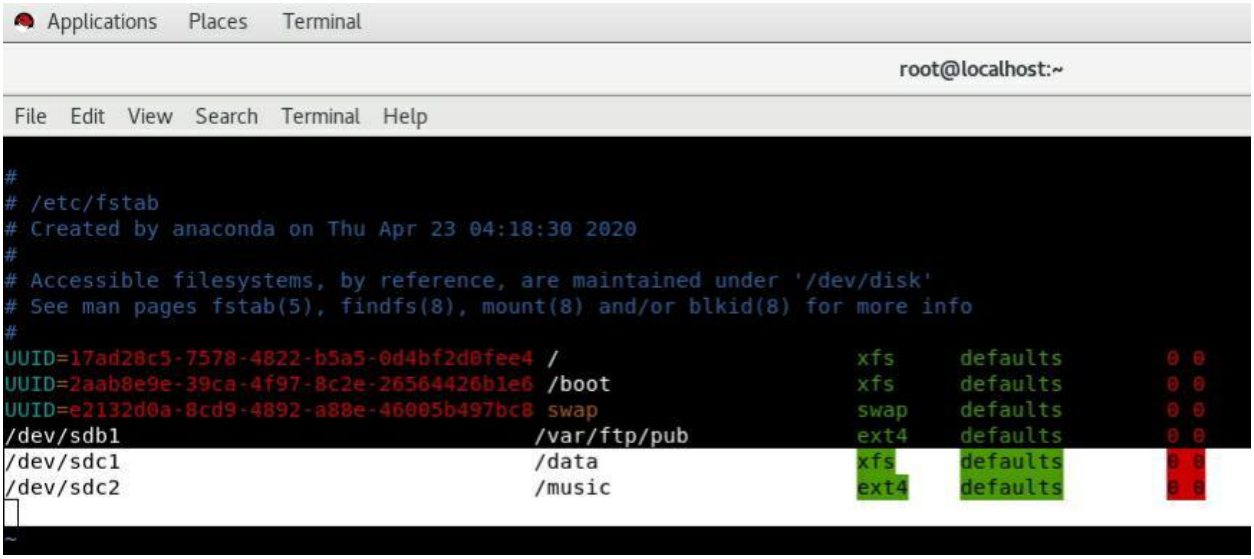
Formating And Creating File System Using **mkfs** Command



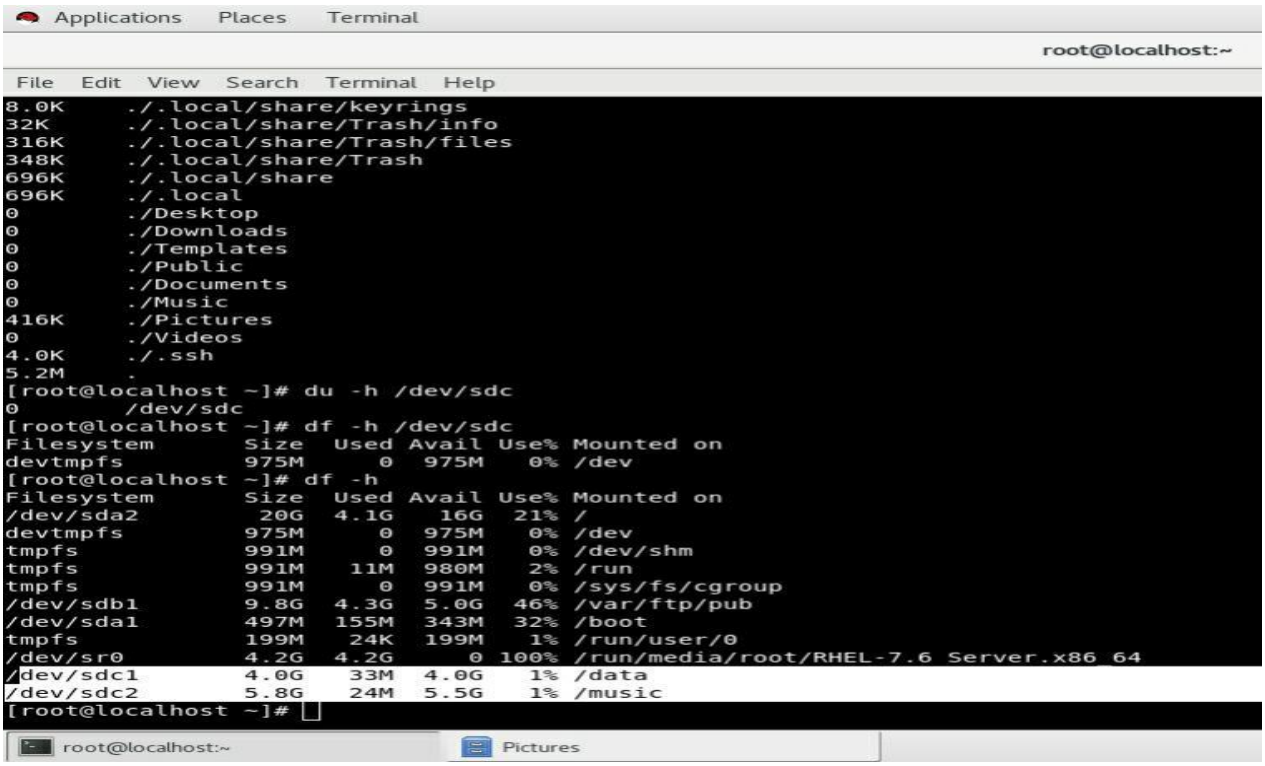
4. Mount 4GB and 6GB in /data and /music directory respectively.

Ans.

Creating Mount Point Using **fstab** File

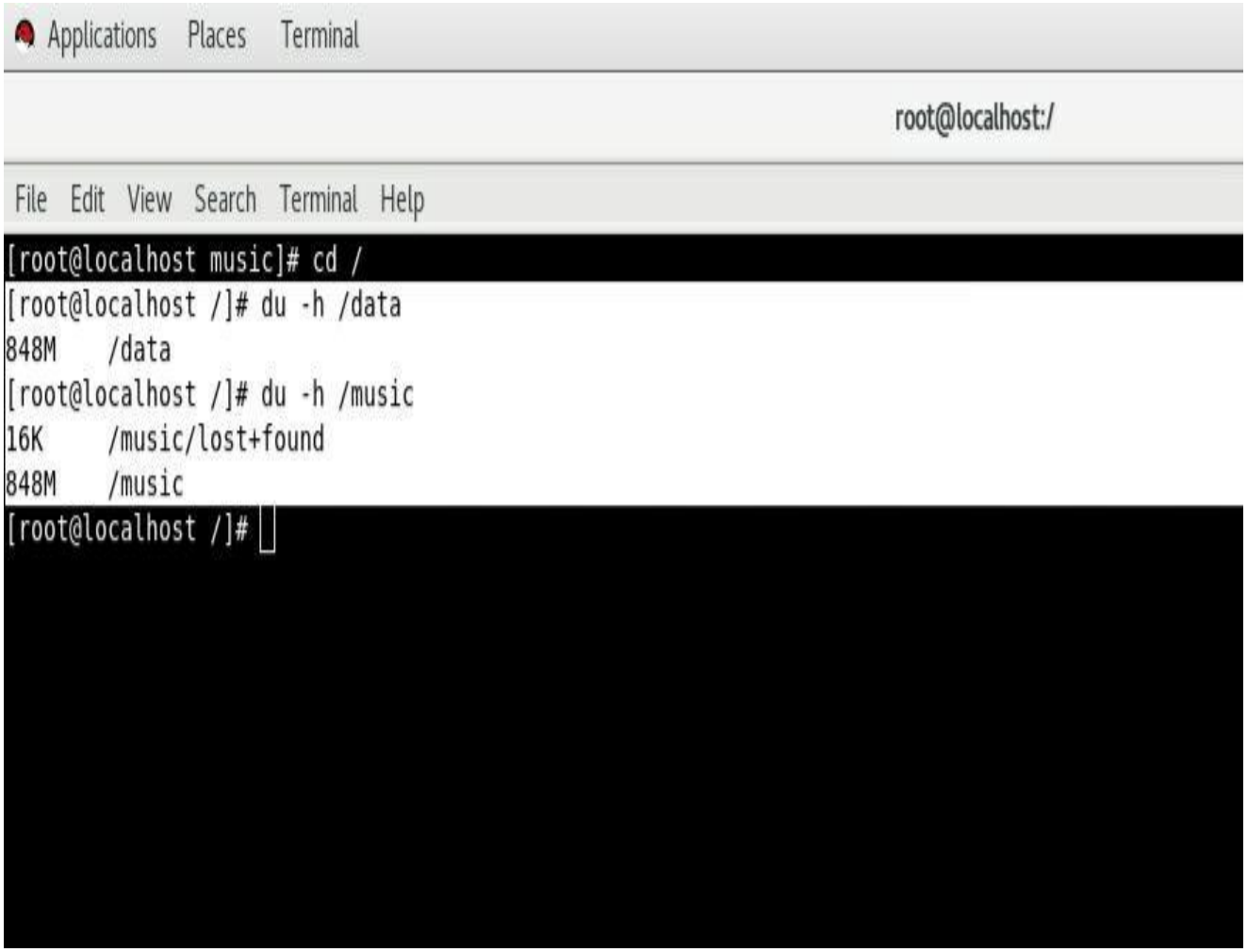


Verifying Mount Point Is Created



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

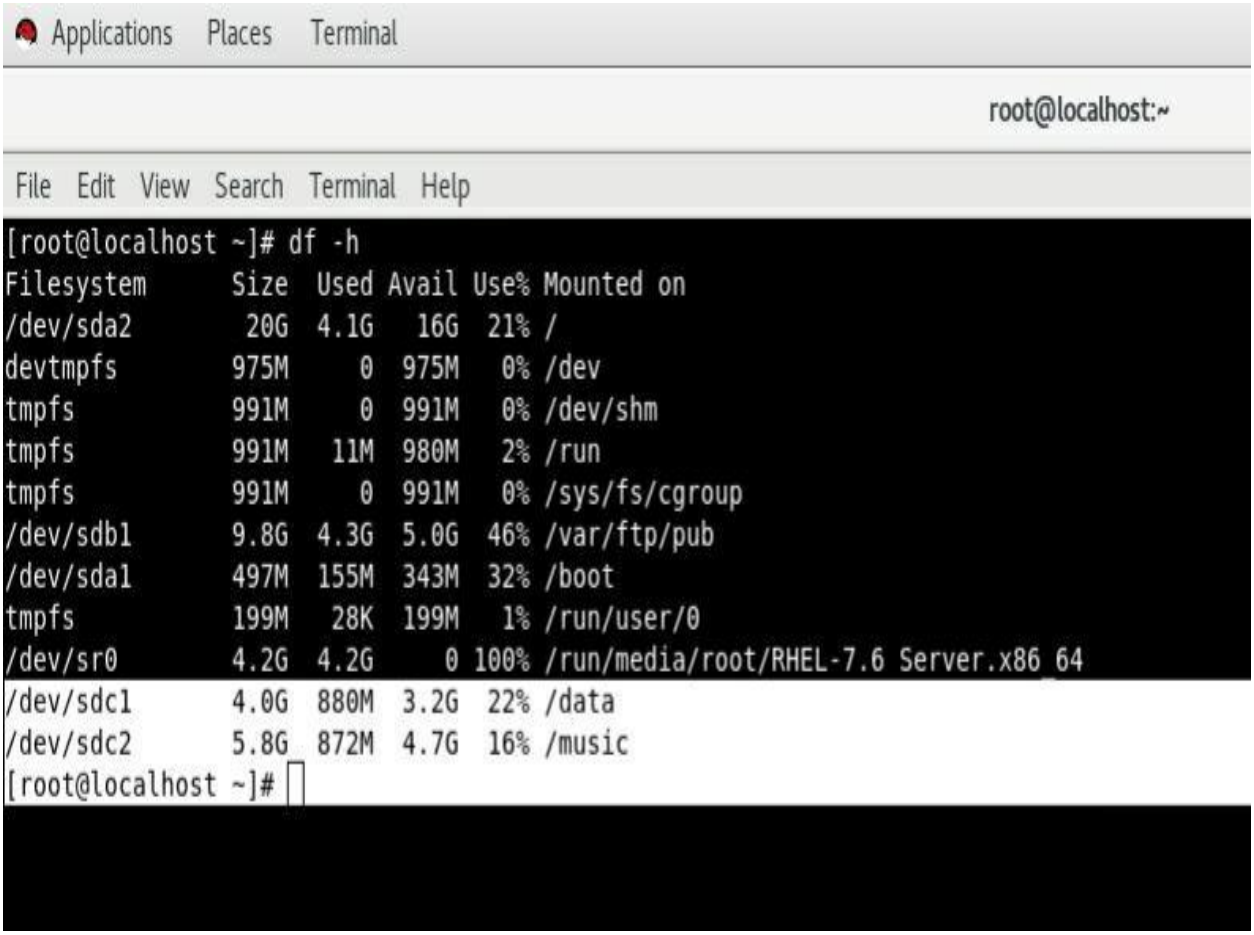
Ans. Creating 1Gb File Using **seq > 1000000** Command



#Here The File Created Is Having 848 Mb Which Is Closest To 1Gb

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

Ans. Verify Disk Usage Using **df -h** Command


Applications Places Terminal
root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# df -h
Filesystem Size Used Avail Use% Mounted on
/dev/sda2 20G 4.1G 16G 21% /
devtmpfs 975M 0 975M 0% /dev
tmpfs 991M 0 991M 0% /dev/shm
tmpfs 991M 11M 980M 2% /run
tmpfs 991M 0 991M 0% /sys/fs/cgroup
/dev/sdb1 9.8G 4.3G 5.0G 46% /var/ftp/pub
/dev/sda1 497M 155M 343M 32% /boot
tmpfs 199M 28K 199M 1% /run/user/0
/dev/sr0 4.2G 4.2G 0 100% /run/media/root/RHEL-7.6 Server.x86_64
/dev/sdc1 4.0G 880M 3.2G 22% /data
/dev/sdc2 5.8G 872M 4.7G 16% /music
[root@localhost ~]#