DAY 5 ASSIGNMENT

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.

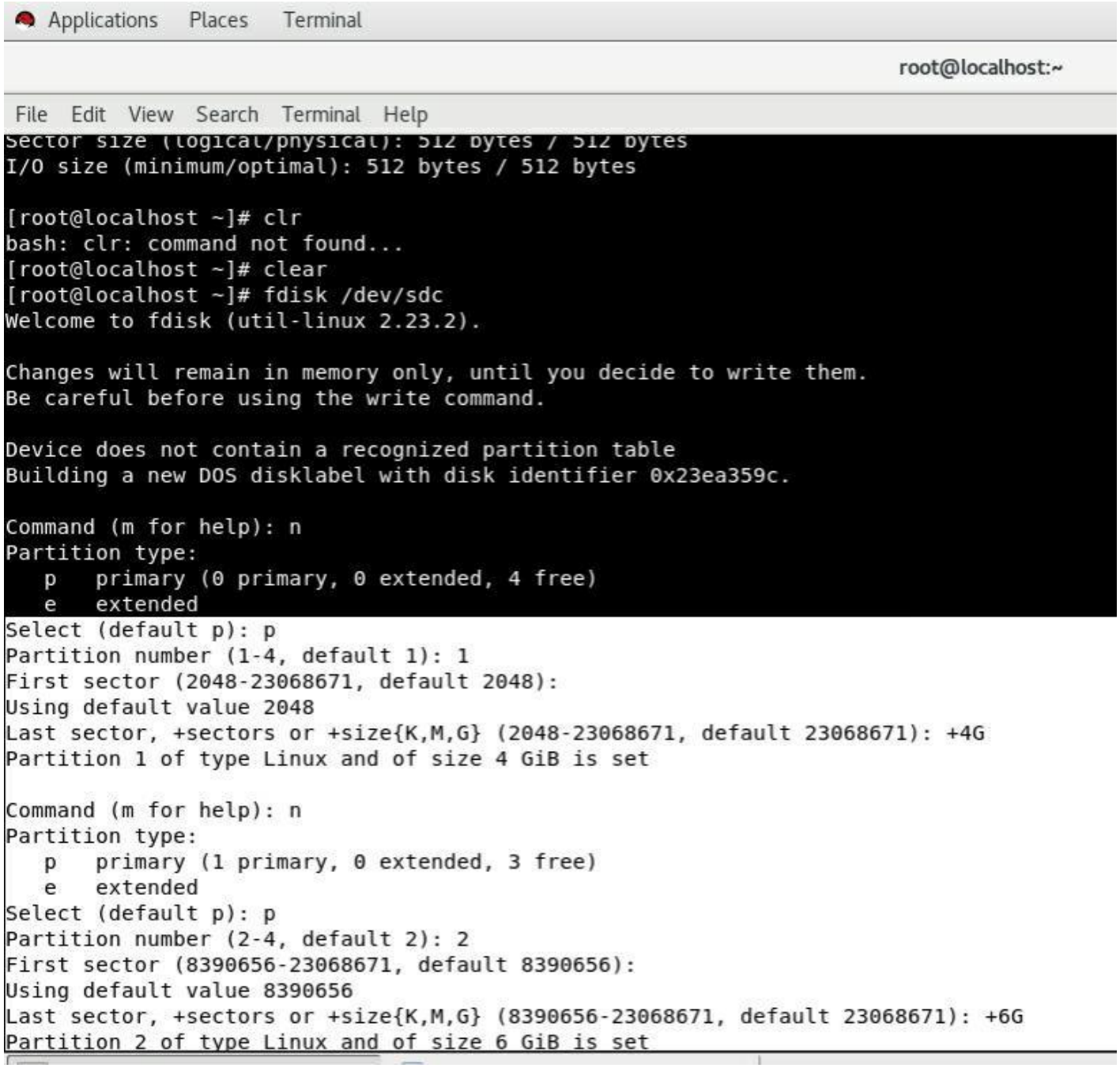
Ans. Verify That Disk Is Added Using **fdisk -l**

```
[root@localhost ~]# fdisk -l

Disk /dev/sda: 32.2 GB, 32212254720 bytes, 62914560 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
Disk label type: dos
Disk identifier: 0x0008367b

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1   *        2048     1026047      512000   83  Linux
/dev/sda2         1026048    41986047    20480000   83  Linux
/dev/sda3        41986048    50178047     4096000   82  Linux swap / Solaris

Disk /dev/sdb: 21.5 GB, 21474836480 bytes, 41943040 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
Disk label type: dos
Disk identifier: 0x2e86ee15

   Device Boot      Start         End      Blocks   Id  System
/dev/sdb1            2048    20973567    10485760   83  Linux
Disk /dev/sdc: 11.8 GB, 11811160064 bytes, 23068672 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
```

#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.

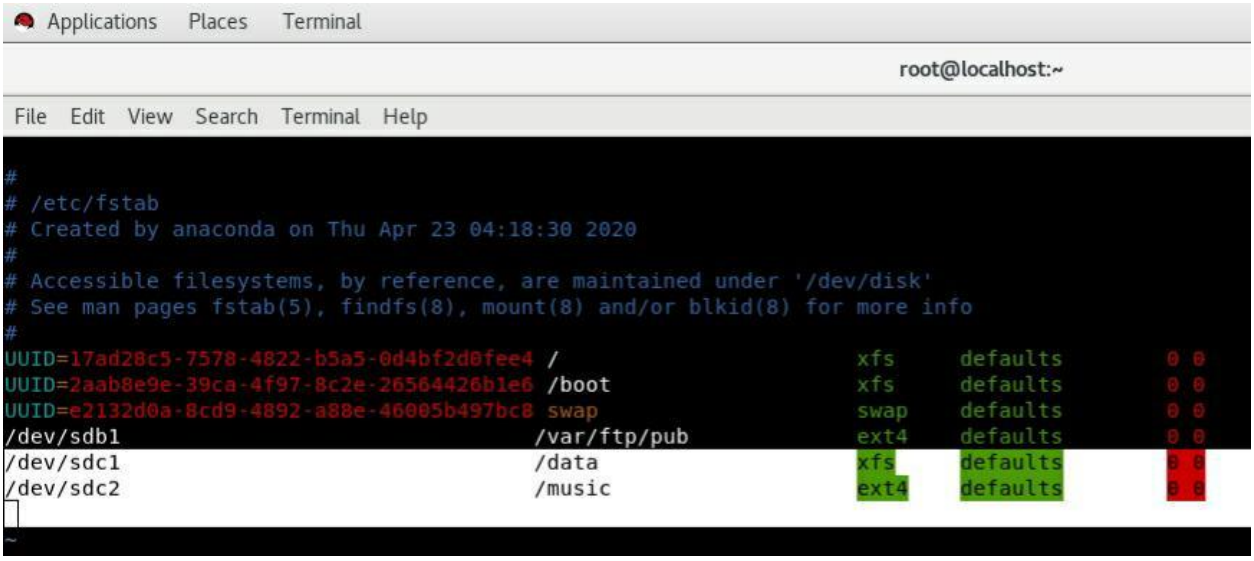
Ans.

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

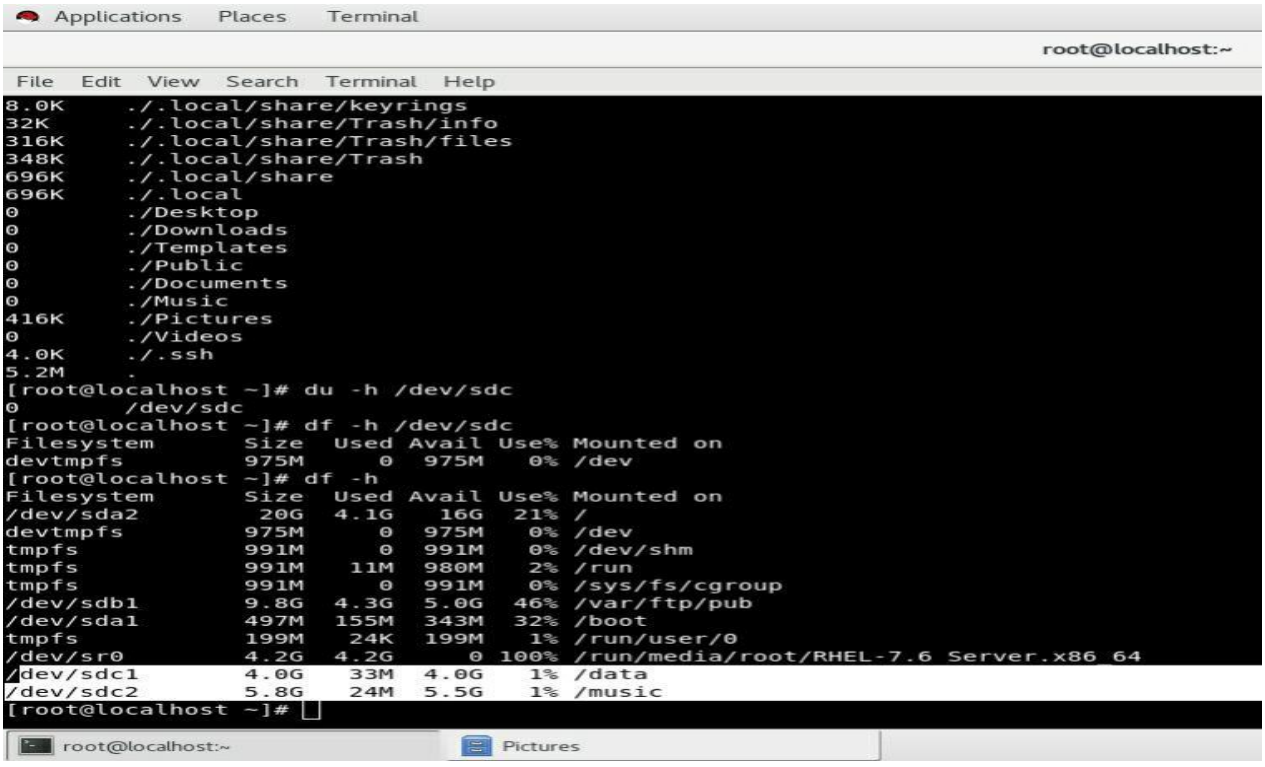
4. Mount 4GB and 6GB in /data and /music directory respectively.

Ans.

Creating Mount Point Using **fstab** File

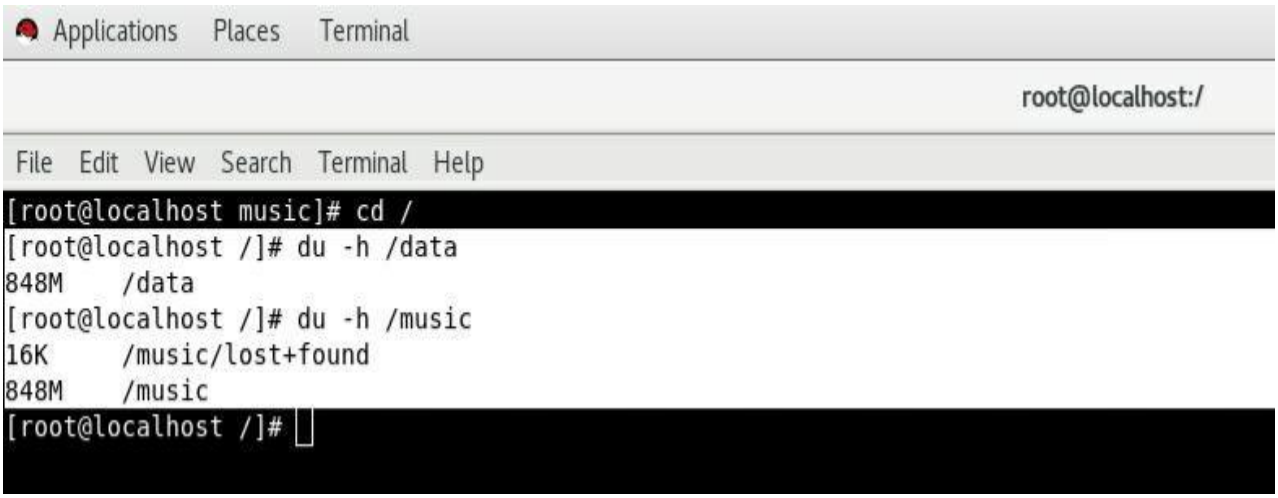


Verifying Mount Point Is Created



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