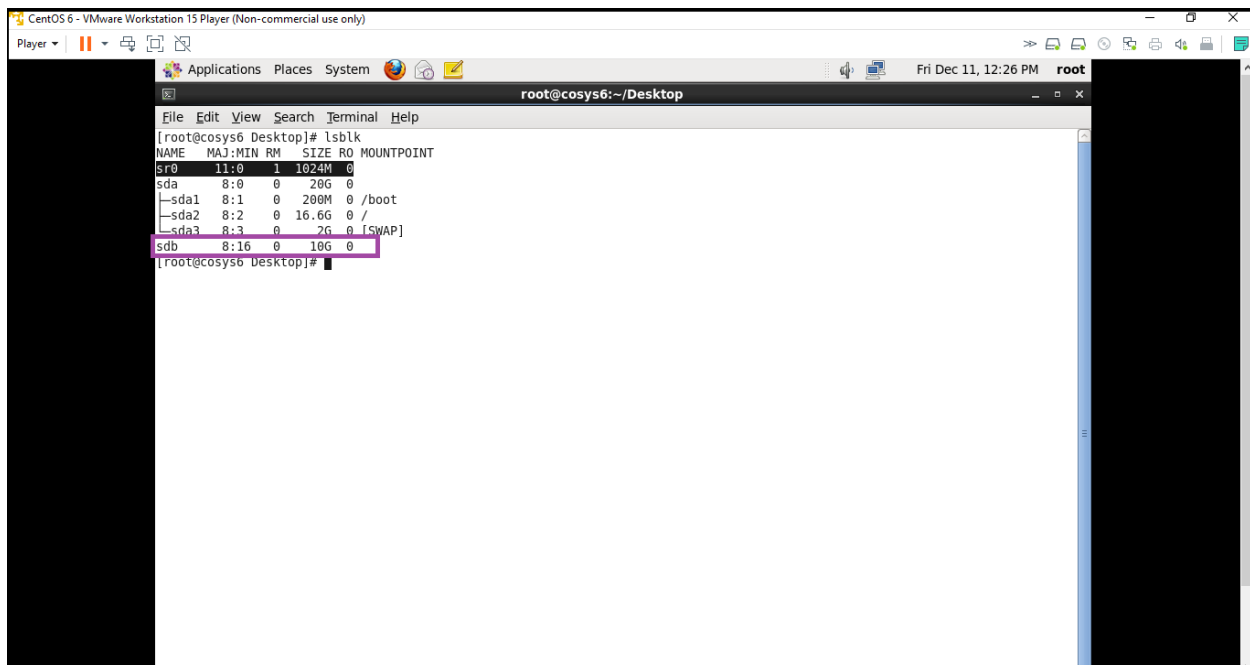


Question 1

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.

Step 1: Add a 10GB disk to the CentOS

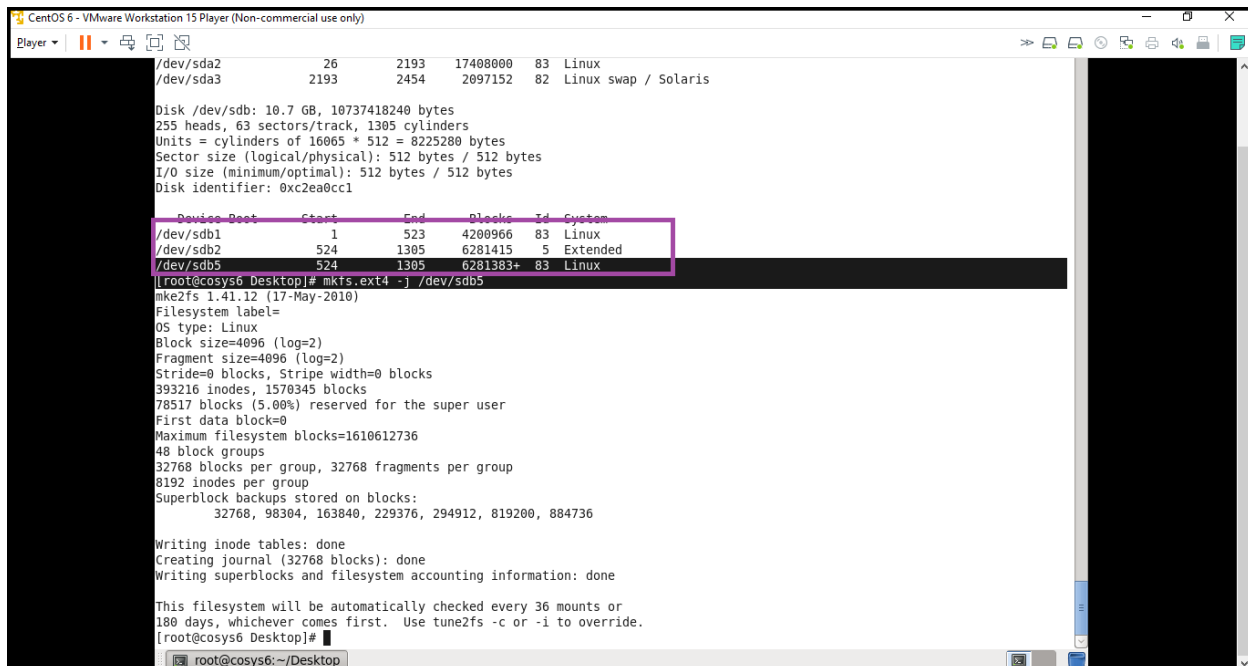
Screenshot 1:



```
CentOS 6 - VMware Workstation 15 Player (Non-commercial use only)
Player
Applications Places System
root@cosys6:~/Desktop
File Edit View Search Terminal Help
[root@cosys6 Desktop]# lsblk
NAME MAJ:MIN RM SIZE RO MOUNTPOINT
sda 8:0 0 1024M 0
├─sda1 8:1 0 200M 0 /boot
├─sda2 8:2 0 16.6G 0 /
└─sda3 8:3 0 2G 0 [SWAP]
sdb 8:16 0 10G 0
[root@cosys6 Desktop]#
```

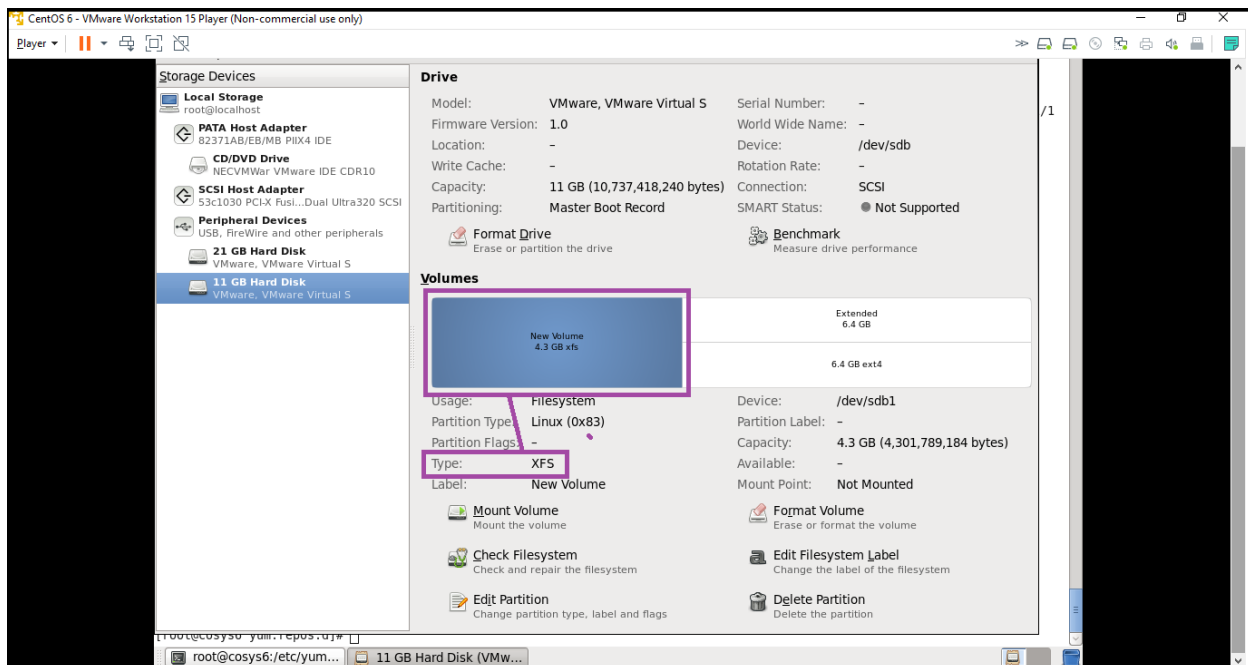
Step 2: Create 2 Partitions 4GB and 6GB of Space respectively.

Screenshot 1:

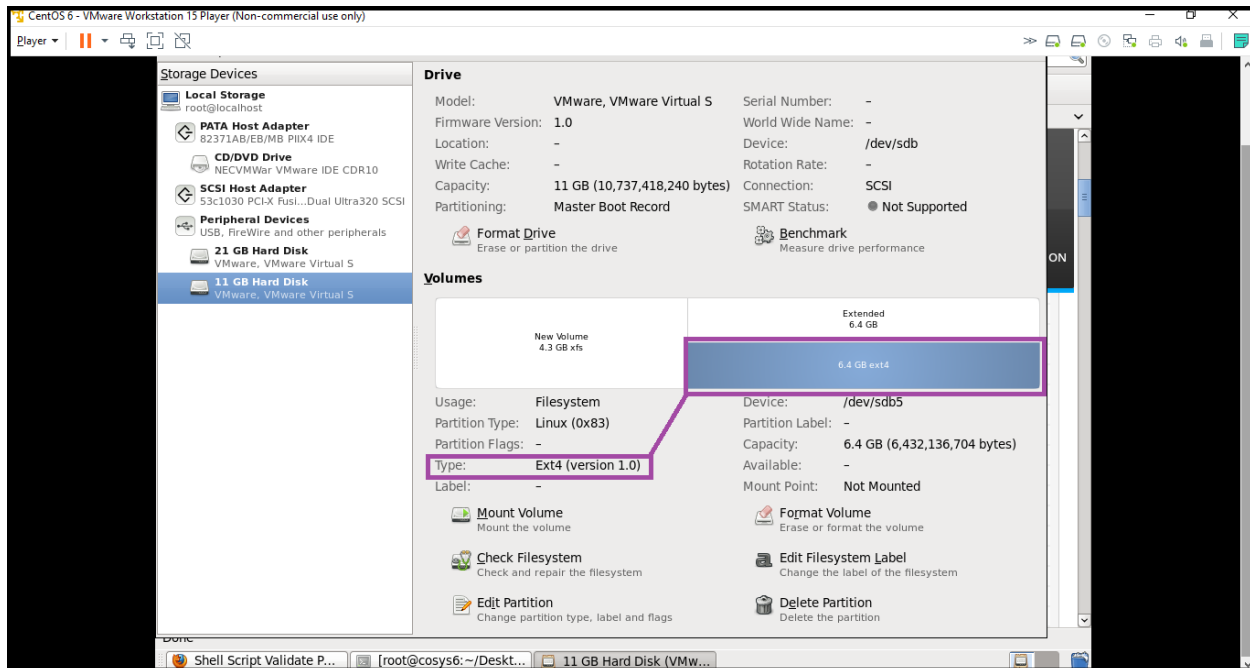


Step 3: Format 4GB with xfs and 6GB with ext4 file system.

Screenshot 1:

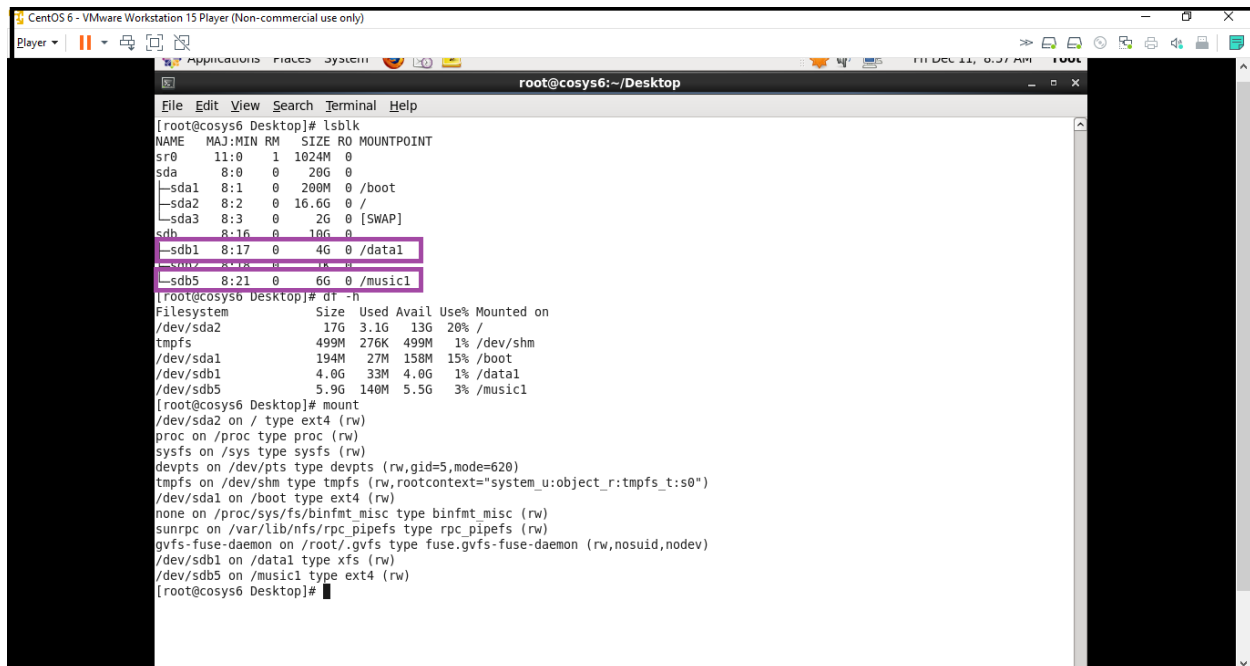


Screenshot 2:



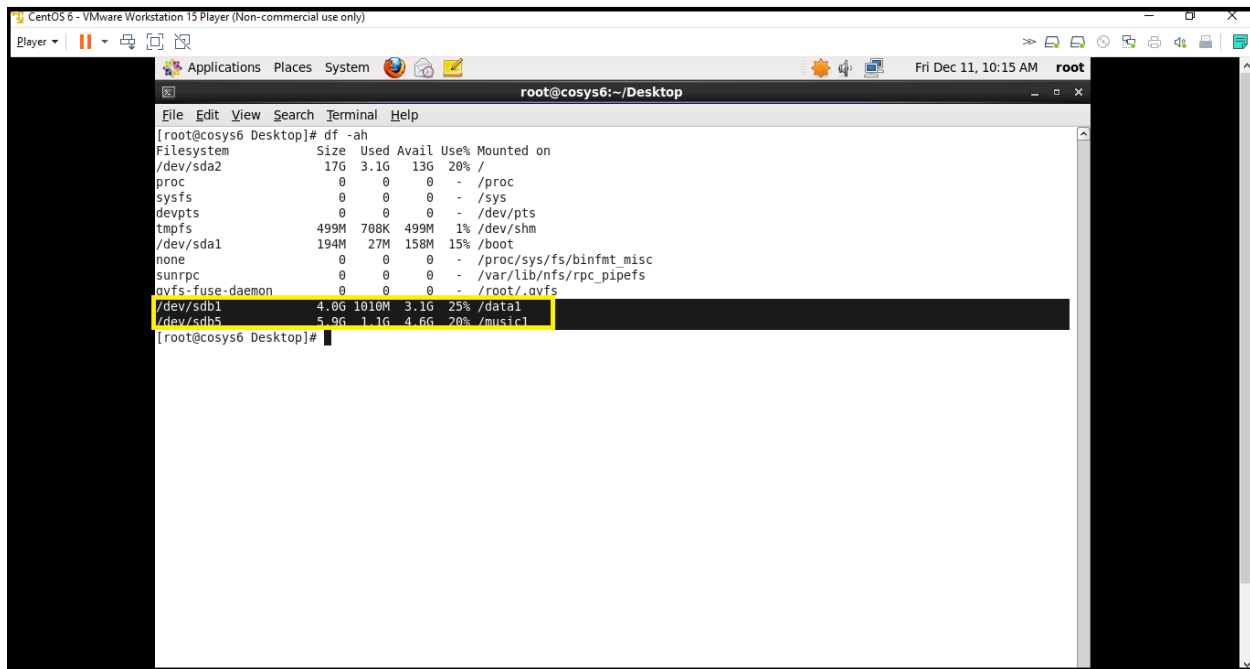
Step 4: Mount 4GB and 6GB in /data1 and /music1 directory respectively.

Screenshot 1:



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

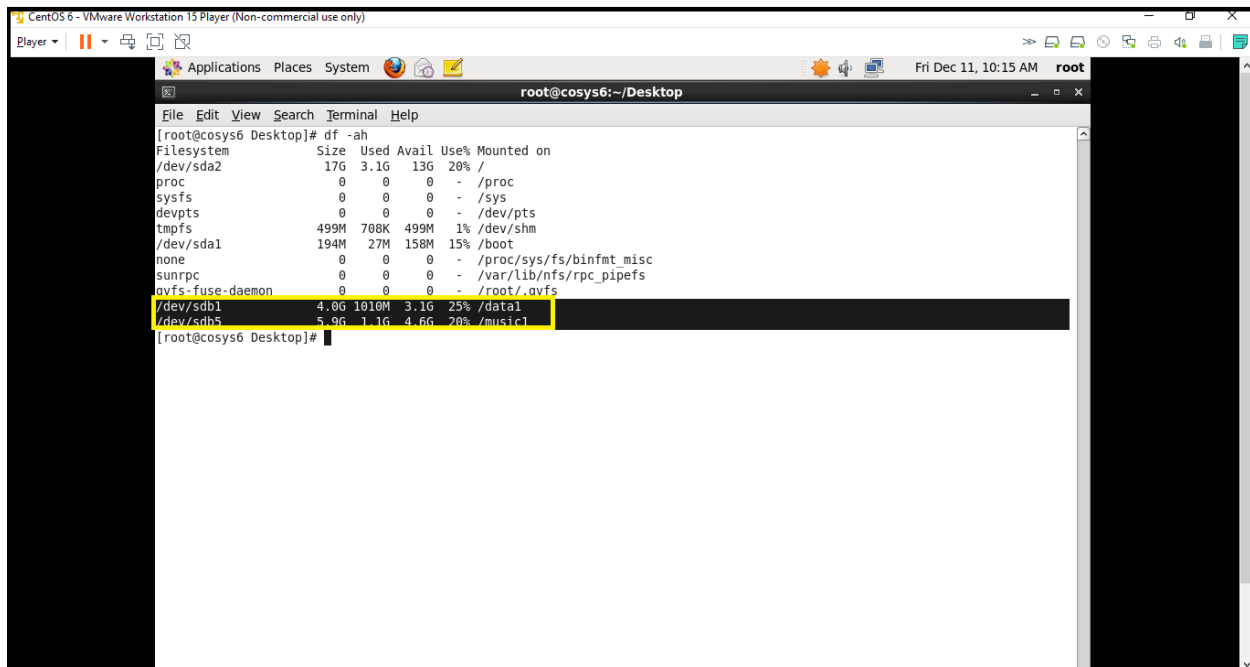
Screenshot 1:



```
[root@cosys6 Desktop]# df -ah
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2        17G   3.1G   13G   20% /
proc             0     0     0    - /proc
sysfs            0     0     0    - /sys
devpts           0     0     0    - /dev/pts
tmpfs            499M   788K   499M    1% /dev/shm
/dev/sda1        194M    27M   158M   15% /boot
none             0     0     0    - /proc/sys/fs/binfmt_misc
sunrpc           0     0     0    - /var/lib/nfs/rpc_pipefs
avfs-fuse-daemon 0     0     0    - /root/.avfs
/dev/sdb1        4.0G  1010M   3.1G   25% /data1
/dev/sdb5        5.9G   1.1G   4.6G   20% /music1
[root@cosys6 Desktop]#
```

Step 6: Verify the disk Consumption and disk space free in the mounted partitions

Screenshot 1:



```
[root@cosys6 Desktop]# df -ah
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2        17G   3.1G   13G   20% /
proc             0     0     0    - /proc
sysfs            0     0     0    - /sys
devpts           0     0     0    - /dev/pts
tmpfs            499M   788K   499M    1% /dev/shm
/dev/sda1        194M    27M   158M   15% /boot
none             0     0     0    - /proc/sys/fs/binfmt_misc
sunrpc           0     0     0    - /var/lib/nfs/rpc_pipefs
avfs-fuse-daemon 0     0     0    - /root/.avfs
/dev/sdb1        4.0G  1010M   3.1G   25% /data1
/dev/sdb5        5.9G   1.1G   4.6G   20% /music1
[root@cosys6 Desktop]#
```