ASSIGNMENT DAY - 5

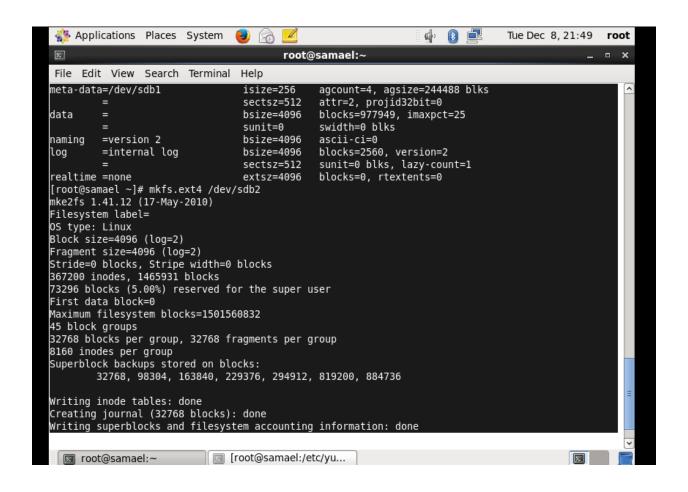
Question 1. Add a 10 GB disk to the CentOS.

```
root@samael:~
    File Edit View Search Terminal Help
    [root@samael ~]# fdisk -l
   Disk /dev/sda: 21.5 GB, 21474836480 bytes
   255 heads, 63 sectors/track, 2610 cylinders
rooUnits = cylinders of 16065 * 512 = 8225280 bytes
   Sector size (logical/physical): 512 bytes / 512 bytes
  I/O size (minimum/optimal): 512 bytes / 512 bytes
   Disk identifier: 0x0006fd3d
      Device Boot
                       Start
                                     End
                                              Blocks
                                                       Id System
   /dev/sda1 *
                           1
                                     26
                                              204800
                                                       83 Linux
   Partition 1 does not end on cylinder boundary.
   /dev/sda2
                          26
                                    2193
                                            17408000
                                                       83 Linux
   /dev/sda3
                        2193
                                    2454
                                             2097152
                                                       82 Linux swap / Solaris
ntO Disk /dev/sdb: 10.7 GB, 10737418240 bytes
   255 heads, 63 sectors/track, 1305 cylinders
   Units = cylinders of 16065 * 512 = 8225280 bytes
   Sector size (logical/physical): 512 bytes / 512 bytes
   I/O size (minimum/optimal): 512 bytes / 512 bytes
   Disk identifier: 0x00000000
   [root@samael ~]# ■
```

Question 2. Create 2 partitions, 4GB and 6GB of space respectively.

```
root@samael:~
      File Edit View Search Terminal Help
              switch off the mode (command 'c') and change display units to
              sectors (command 'u').
     Command (m for help): n
  roo Command action
           extended
           primary partition (1-4)
     Partition number (1-4): 1
     First cylinder (1-1305, default 1):
     Using default value 1
     Last cylinder, +cylinders or +size{K,M,G} (1-1305, default 1305): +4GB
     Command (m for help): n
     Command action
CentO:
        e extended
           primary partition (1-4)
     Partition number (1-4): 2
     First cylinder (488-1305, default 488):
     Using default value 488
     Last cylinder, +cylinders or +size{K,M,G} (488-1305, default 1305): +6GB
     Command (m for help):
```

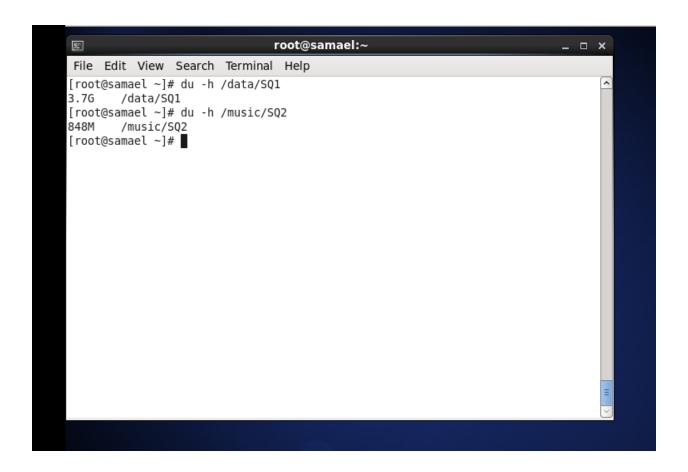
Question 3. Format 4GB with xfs and 6GB with ext4 file system.



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

```
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                                    root@samael:~
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      File Edit View Search Terminal Help
      /dev/sdal on /boot type ext4 (rw)
     none on /proc/sys/fs/binfmt misc type binfmt misc (rw)
     gvfs-fuse-daemon on /root/.gvfs type fuse.gvfs-fuse-daemon (rw,nosuid,nodev)
     /dev/sr0 on /media/CentOS 6.10 Final type iso9660 (ro,nosuid,nodev,uhelper=udisk
  roos,uid=0,gid=0,iocharset=utf8,mode=0400,dmode=0500)
      /dev/sr0 on /dvd type iso9660 (ro)
     /dev/sdb1 on /data type xfs (rw)
      /dev/sdb2 on /music type ext4 (rw)
      [root@samael ~]# vi /etc/fstab
      [root@samael ~]# df -ah
                       Size Used Avail Use% Mounted on
      Filesystem
      /dev/sda2
                        17G
                             3.5G
                                   12G 23% /
     proc
                          0
                                0
                                      0
                                            - /proc
      sysfs
                          Θ
                                Θ
                                      Θ
                                            - /sys
     devpts
                          0
                                0
                                      0
                                           /dev/pts
CentO: tmpfs
                       498M
                             228K 498M
                                          1% /dev/shm
      /dev/sda1
                       190M
                              34M
                                   147M 19% /boot
      none
                          Θ
                                Θ
                                           - /proc/sys/fs/binfmt misc
      gvfs-fuse-daemon
                          0
                                0
                                      0
                                           - /root/.gvfs
      /dev/sr0
                       3.8G 3.8G
                                      0 100% /media/CentOS 6.10 Final
      /dev/sr0
                       3.8G
                             3.8G
                                      0 100% /dvd
      /dev/sdb1
                       3.8G
                              33M 3.7G
                                          1% /data
      /dev/sdb2
                       5.4G
                              12M 5.1G
                                          1% /music
      [root@samael ~]#
```

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



Question 6. Verify the disk consumption and disk space free in the mounted partitions.