```
CISC 220 Assignment 2
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# CISC 220 Assignment 2 Q3

#### **Screenshot 1**

```
root@ubuntu:/home/kevin# df
Filesystem
                             Size
                                    Used Avail Use% Mounted on
udev
                             2.0G
                                       0
                                         2.0G
                                                 0% /dev
                             396M
                                    5.7M
                                          390M
                                                 Z% /run
tmpfs
/dev/mapper/ubuntu--vg-root
                              1.7G
                                    1.3G
                                          391M
                                                77% /
                             2.0G
                                       0
                                          2.0G
                                                 0% /dev/shm
tmpfs
                             5.0M
                                          5.0M
                                                 0% /run/lock
tmpfs
                             2.0G
                                       0
                                          2.0G
                                                 0% /sys/fs/cgroup
/dev/sda1
                              472M
                                     55M
                                          393M
                                                13% /boot
                                          1.5G
/dev/mapper/ubuntu--vg-home
                              1.6G
                                    2.6M
                                                 1% /home
                              100K
                                       0
                                          100K
                                                 0% /run/lxcfs/controllers
                                          396M
tmpfs
                             396M
                                       0
                                                 0% /run/user/1000
root@ubuntu:/home/kevin# lsblk
                                  SIZE RO TYPE MOUNTPOINT
NAME
                      MAJ:MIN RM
                                         0 disk
sda
                        8:0
                               0
                                    4G
 –sda1
                        8:1
                               0
                                   487M
                                         0 part /boot
 -sda2
                        8:2
                               0
                                   1K
                                         0 part
                               0 3.5G
 -sda5
                        8:5
                                         0 part
                               0 1.8G
                                         0 lum
                      252:0
  -ubuntu--vg-root
   -ubuntu--vg-swap_1 252:1
                               0
                                  112M
                                         0 lum
                                                [SWAP]
   -ubuntu--vg-home
                      252:2
                               0
                                   1.7G
                                         0 lum
                        8:16
                               0
                                         0 disk
sdb
                                     1G
                       11:0
                                1 1024M
                                        0 rom
```

1sblk shows the new hard disk. It is called sdb and is located at /dev/sdb

#### **Screenshot 2**

#### **Screenshot 3**

```
oot@ubuntu:/home/kevin#
'ilesystem
                                                     Avail Use% Mounted on
                                               Used
                                                                 0%
ıdev
                                       2.0G
                                                   0
                                                       2.0G
                                                       390M
                                       396M
                                               5.7M
                                                                 2%
                                                                     /run
                                                       391M
                                       1.7G
2.0G
/dev/mapper/ubuntu--vg-root
                                               1.3G
                                                               77%
                                                       2.0G
5.0M
2.0G
393M
                                                                 0% /dev/shm
tmpfs
                                       5.0M
                                                                 0%
                                                                     /run/lock
tmpfs
/dev/sda1
                                       2.0G
                                                               0% /sys/fs/cgroup
13% /boot
                                                   0
                                       472M
                                                55M
                                                       1.5G
100K
/dev/mapper/ubuntu--vg-home
                                       1.6G
                                                                 1% /home
                                               2.6M
                                                                 0% /run/lxcfs/controllers
0% /run/user/1000
                                       100K
                                                   Θ
tmpfs
root@ubuntu:/home/kevin#
                                       396M
                                                   0
                                                       396M
                                                    RO TYPE
0 disk
                             MAJ:MIN
                                        RM
                                              SIZE
                                                               MOUNTPOINT
                                8:0
8:1
                                         0
                                                4G
                                                     0
                                             487M
1K
                                                        part
part
  sda1
                                                               /boot
                                         ō
                                                      Õ
  sda2
                                             3.5G
1.8G
112M
                                                      0 0 0
                                                        part
lum
lum
   sda5
                                8:5
                                         0
    -ubuntu--vg-root
                             252:0
252:1
    -ubuntu--vg-swap_1
                                                               [SWAP]
                                             1.7G
1G
1K
                                         000
    ubuntu--vg-home
                                                      0
                                                         l um
                                                               /home
                                                     0
 dЪ
                                8:16
8:17
                                                        disk
  sdb1
                                                        part
part
  sdb5
                                             500M
                                                        part
                                              521M
                                                      0
```

1sb1k shows the new disk again called sdb. The notable difference is now you can see the partitions made on sdb.

## **Screenshot 4**

```
'ilesystem
                                                    Avail Use: Mounted on
                                             Used
udev
                                                               0%
                                      2.0G
                                                     2.0G
                                                     390M
                                      396M
                                             5.7M
                                                               2%
                                                                   /run
                                                     391M
                                                             77% /
0% /deu/shm
                                      1.7G
2.0G
/dev/mapper/ubuntu--vg-root
                                              1.3G
                                                     2.0G
5.0M
2.0G
393M
tmpfs
tmpfs
                                      5.0M
                                                               0%
                                                                   /run/lock
                                                             0% /sys/fs/cgroup
13% /boot
                                      2.06
                                                 0
                                               55M
/dev/sda1
                                      472M
                                                     1.5G
100K
dev/mapper/ubuntu--vg-home
                                      1.6G
                                             2.6M
                                                               1% /home
tmpfs
                                      100K
                                                 0
                                                               0% /run/lxcfs/controllers
tmpfs
/dev/sdb5
                                      396M
                                                     396M
                                                               0% /run/user/1000
1% /home/kevin/newDisk1
                                                 0
                                                      449M
                                             2.3M
428K
                                                                  /home/kevin/newDisk2
oot@ubuntu:/home/kevin# lsblk
                            MAJ:MIN RM
                                                             MOUNTPOINT
                                            SIZE
                                                   RO TYPE
IAME
                               8:0
                                                    0
                                                      disk
da
                              8:1
8:2
8:5
                                            487M
1K
3.5G
                                        000
                                                    000
                                                       part
  sda2
                                                       part
  sda5
                                                       part
lum
                                            1.8G
112M
                            252:0
                                        000
    -ubuntu--vg-root
                                                       l um
l um
                                                              [SWAP]
    ubuntu--vg
                   -swap_1
                            252:1
                                                    0
                            252:2
                                            1.7G
1G
    -ubuntu--vg-home
                                                              /home
db
—sdb1
                                                    ŏ
                                                       disk
                               8:16
                               8:17
                                        0
                                               1K
                                                    0
                                                       part
                                            500M
521M
  sdb5
                               8:21
                                        0
                                                    00
                                                       part
                                                             /home/kevin/newDisk1
/home/kevin/newDisk2
  sdb6
                                                       part
rom
```

Now you can see the two logical partitions /dev/sdb5 and /dev/sdb6 in df -h because they are mounted, as well as in lsblk (which also shows their mount point). Again, the hard disk itself is shown in lsblk as sdb

### **Screenshot 5**

```
root@ubuntu:/home/kevin# cat /etc/fstab
# /etc/fstab: static file system information.
   Use 'blkid' to print the universally unique identifier for a device; this may be used with UUID= as a more robust way to name devices that works even if disks are added and removed. See fstab(5).
<type> <options> ext4
                                                                                  <dump> <pass>
errors=remount-ro 0
                                                                                                                            1
                                                                                  ext2
defaults
                                                                                                         defaults
                                                                                                                                 0
                                                                                                                                               Z
                                                                                                           0 0
                                                                        swap
                                                                                     SW
/dev/sdb5
/dev/sdb6
                         /home/newDisk1 ext3
/home/newDisk2 ext3
                                                               defaults
defaults
                                                                                                      0
                                                                                         0
```