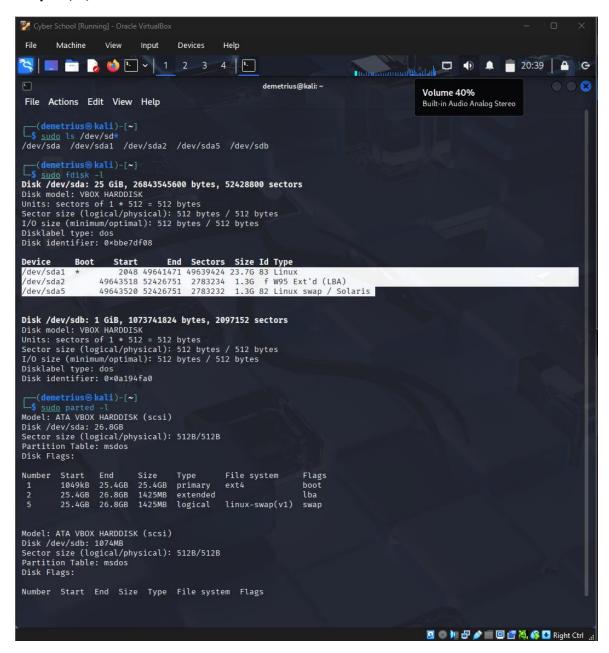
# CYSE 270 Lab 7: File Management

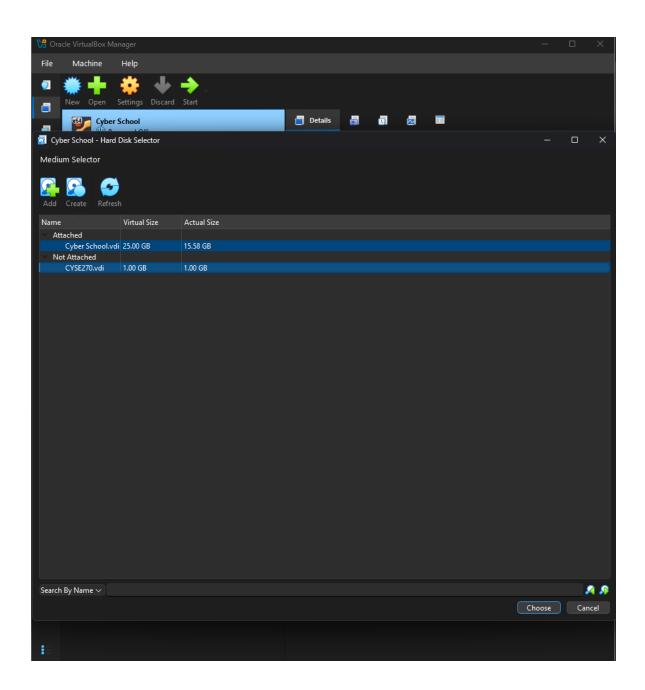
#### Part 1

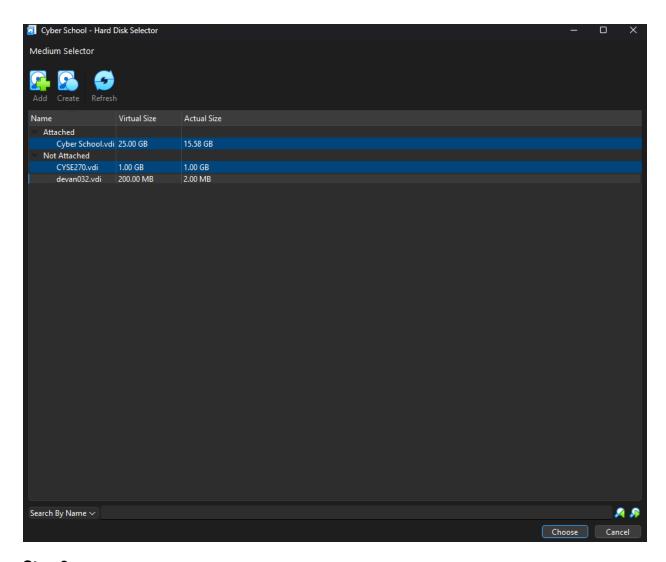
### Steps 1, 2, and 3



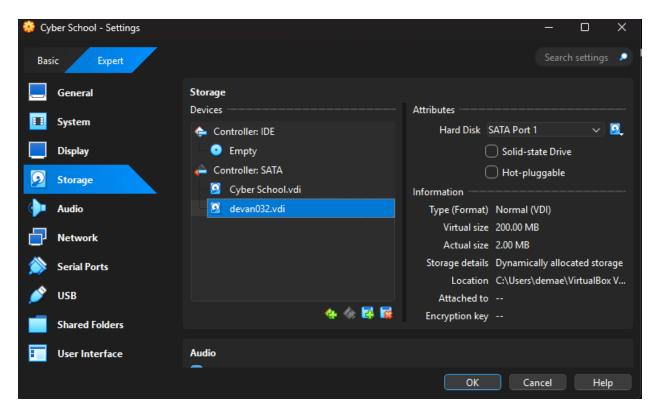
Part 2

Step 1





Step 2



## Step 3

A)

```
File Machine View Input Devices Help

demetrius@kali:~

File Actions Edit View Help

(demetrius@kali)-[~]

sudo ls /dev/sda1 /dev/sda2 /dev/sda5 /dev/sdb

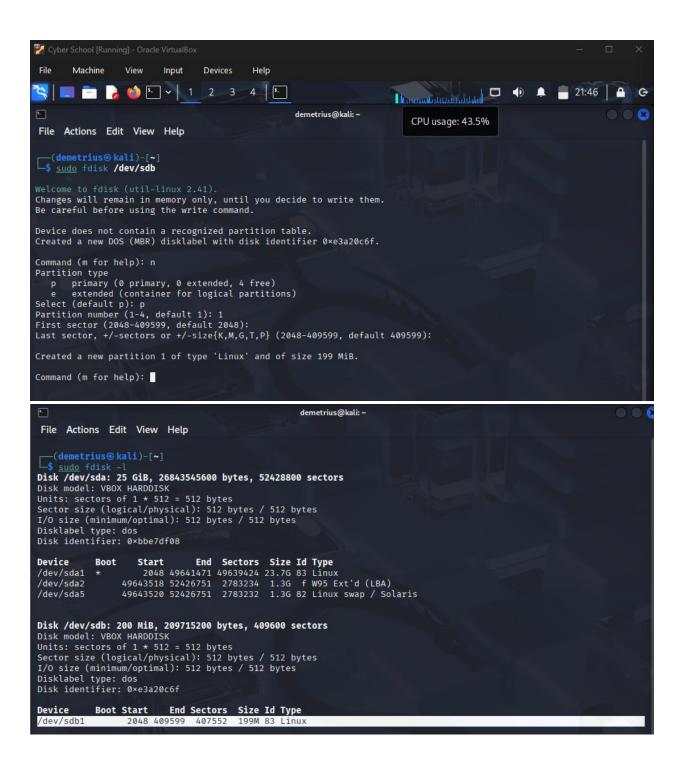
(demetrius@kali)-[~]
```

```
| Comparison | Co
```

C)

#### Part 3

### Step 1





# Step 3

a)

```
File Machine View Input Devices Help

demetrius@kali:~

File Actions Edit View Help

(demetrius@kali)-[~]

sudo ls /dev/sda /dev/
```

b)

```
Disk /dev/sda: 25 GiB, 26843545600 bytes, 52428800 sectors
Disk model: VBOX HARDDISK
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0×bbe7df08
Device Boot Start
/dev/sda1 * 2048
                                               End Sectors Size Id Type
                          2048 49641471 49639424 23.76 83 Linux
49643518 52426751 2783234 1.3G f W95 Ext'd (LBA)
49643520 52426751 2783232 1.3G 82 Linux swap / Solaris
/dev/sda2
/dev/sda5
Disk /dev/sdb: 200 MiB, 209715200 bytes, 409600 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0×e3a20c6f
                Boot Start End Sectors Size Id Type
/dev/sdb1
                          2048 409599 407552 199M 83 Linux
 Ls T
```

c)

```
(demetrius@ kali)=[~]
$ sudo parted -!
Model: ATA VBOX HARDDISK (scsi)
Disk /dev/sda: 26.8GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:

Number Start End Size Type File system Flags
1 1049kB 25.4GB 25.4GB primary ext4 boot
2 25.4GB 26.8GB 1425MB extended lba
5 25.4GB 26.8GB 1425MB logical linux-swap(v1) swap

Model: ATA VBOX HARDDISK (scsi)
Disk /dev/sdb: 210MB
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:

Number Start End Size Type File system Flags
1 1049kB 210MB 209MB primary ext4
```

Step 4 & 5

```
🐕 Cyber School [Running] - Oracle VirtualBox
       Machine
                                    Devices
                                               Help
                   View Input
                                                                              and country 22:26
                                1 2 3 4 5
                                                       demetrius@kali:/cyse
File Actions Edit View Help
(demetrius⊗ kali)-[~]

sudo mkdir /cyse
____(demetrius⊗ kali)-[~]

$ cd /cyse
(demetrius⊗ kali)-[/cyse]

$ sudo mount /dev/sdb1 /cyse
df −h (demetrius⊛ kali)-[/cyse]
Filesystem
                 Size Used Avail Use% Mounted on
                           0 921M 0% /dev
00K 197M 1% /run
udev
tmpfs
/dev/sda1
                  198M 1000K 197M
                               7.0G 69% /
987M 1% /dev/shm
                        15G
4.0K
                 987M
tmpfs
                                       0% /run/lock
1% /tmp
tmpfs
                  5.0M
                               5.0M
tmpfs
                  987M
                               987M
                                       0% /run/credentials/getty@tty1.service
1% /run/user/1000
tmpfs
                  1.0M
                           0
                               1.0M
tmpfs
                  198M
                        116K 198M
                                       0% /run/credentials/systemd-journald.service
                  1.0M
tmpfs
/dev/sdb1
                               1.0M
                         63K
                  181M
                               167M
                                       1% /cyse
(demetrius⊕ kali)-[/cyse]
```

## Step 6

# Step 7

```
File Actions Edit View Help

(demetrius@kali)-[/cyse]

(demetrius@kali)-[~]

sudo umount /cyse

(demetrius@kali)-[~]
```

**Step 8:** My file, devan032 is not showing up, the directory returns as empty. When I try to open the file with the cat command nothing happens.

```
(demetrius⊕ kali)-[~]

$ sudo ls -l /cyse

total 0

Cometrius⊕ kali)-[~]

$ cat /cyse/devan032

cat: /cyse/devan032: No such file or directory
```