

1.

```
(antoINETte-elam@Kali)-[~]
└─$ sudo ls /dev/sd*
[sudo] password for antoinette-elam:
/dev/sda /dev/sda1 /dev/sda2 /dev/sda5
```

2.

```
(antoINETte-elam@Kali)-[~]
└─$ sudo fdisk -l
Disk /dev/sda: 25 GiB, 26843545600 bytes, 52428800 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: 0x72d35216

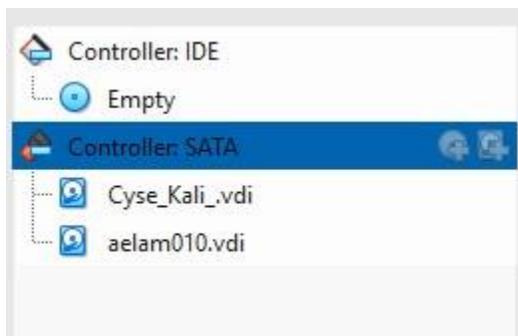
Device      Boot      Start          End      Sectors  Size Id Type
/dev/sda1   *          2048    49641471  49639424  23.7G 83 Linux
/dev/sda2                   49643518  52426751   2783234   1.3G  f W95 Ext'd (LBA)
/dev/sda5                   49643520  52426751   2783232   1.3G 82 Linux swap / Solaris
```

3.

```
(antoINETte-elam@Kali)-[~]
└─$ sudo parted -l
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
```

5.



```
(antoinette-elam@Kali)-[~]
└─$ sudo ls /dev/sd*
[sudo] password for antoinette-elam:
/dev/sda /dev/sda1 /dev/sda2 /dev/sda5 /dev/sdb
```

```
(antoinette-elam@Kali)-[~]
└─$ sudo fdisk -l
Disk /dev/sda: 25 GiB, 26843545600 bytes, 52428800 sectors
Disk model: VBox HARDDISK
Units: sectors of 1 * 512 = 512 bytes
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I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x72d35216

Device Boot Start End Sectors Size Id Type
/dev/sda1 * 2048 49641471 49639424 23.7G 83 Linux
/dev/sda2 49643518 52426751 2783234 1.3G f W95 Ext'd (LBA)
/dev/sda5 49643520 52426751 2783232 1.3G 82 Linux swap / Solaris

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
```

```
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Disk /dev/sda: 26.8GB
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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

Error: /dev/sdb: unrecognised disk label
Model: ATA VBox HARDDISK (scsi)
Disk /dev/sdb: 210MB
Sector size (logical/physical): 512B/512B
Partition Table: unknown
Disk Flags:
```

```
Welcome to fdisk (util-linux 2.41).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS (MBR) disklabel with disk identifier 0x57dd7ebd.

Command (m for help): n
Partition type
   p   primary (0 primary, 0 extended, 4 free)
   e   extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-409599, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-409599, default 409599):

Created a new partition 1 of type 'Linux' and of size 199 MiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
```

7.

```
(antoinette-elam@Kali)-[~]
└─$ sudo mkfs.ext4 /dev/sdb1
mke2fs 1.47.2 (1-Jan-2025)
Creating filesystem with 203776 1k blocks and 51000 inodes
Filesystem UUID: fa5a84c1-cc76-442c-8a9b-e56fb07b2b4a
Superblock backups stored on blocks:
    8193, 24577, 40961, 57345, 73729

Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done
```

8.

9.

```
(antoINETte-elam@Kali)-[~]
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/dev/sda /dev/sda1 /dev/sda2 /dev/sda5 /dev/sdb /dev/sdb1

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Disk identifier: 0x72d35216

Device Boot Start End Sectors Size Id Type
/dev/sda1 * 2048 49641471 49639424 23.7G 83 Linux
/dev/sda2 49643518 52426751 2783234 1.3G f W95 Ext'd (LBA)
/dev/sda5 49643520 52426751 2783232 1.3G 82 Linux swap / Solaris

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: 0x57dd7ebd

Device Boot Start End Sectors Size Id Type
/dev/sdb1 2048 409599 407552 199M 83 Linux
```

```
(antoINETte-elam@Kali)-[~]
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Model: ATA VBOX HARDDISK (scsi)
Disk /dev/sda: 26.8GB
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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
```

```
(antoINETte-elam@Kali)-[~]
└─$ sudo mkdir /cyse
```

10.

11.

```
(antoINETte-elam@Kali)-[~]
└─$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            921M   0  921M   0% /dev
tmpfs           198M 1004K  197M   1% /run
/dev/sda1       24G   14G   8.0G  64% /
tmpfs           987M   4.0K  987M   1% /dev/shm
tmpfs           5.0M   0   5.0M   0% /run/lock
tmpfs           1.0M   0   1.0M   0% /run/credentials/systemd-journald.service
tmpfs           987M   96K  987M   1% /tmp
tmpfs           1.0M   0   1.0M   0% /run/credentials/getty@tty1.service
tmpfs           198M  116K  198M   1% /run/user/1000
```

```
(antoINETte-elam@Kali)-[~]
└─$ sudo bash -c 'echo "Antoinette Elam"> /cyse/aelam010.txt'
```

12

```
(antoINETte-elam@Kali)-[~]
└─$ sudo umount /cyse
umount: /cyse: not mounted.
```

13

```
(antoinette-elam@Kali)-[~]  
$ ls -l /cyse  
total 4  
-rw-r--r-- 1 root root 16 Oct 26 21:19 aelam010.txt
```

14