**Disk management**

**Partition:**

Disk can be divided into parts called partition. Partition allow separate the data.

fdisk commend:(format disk)

This commend is used to disk manipulation in linux. With the help of fdisk commend we can view,create,resize,delete,change, copy, move partitions on a hard drive.

This is very useful in tearms of creating space of new partitions, organizing space for new device.

fdisk -l (l stands for list all partitions)

Text

Description automatically generated

Create a partition:

fdisk /dev/sda

Text

Description automatically generated

Create a mount:

Mount commend is used to attach filesystem and removable devices such as usb drives ,flash drive ,at particular mountpoint in directory tree.

Syntax:

Sudo mount <device> <directory>

lsblk commend- to list the partitions with filesystem.

Text

Description automatically generated with low confidence

Check mounted files on linux- lsblk -f

Text

Description automatically generated

**how to mount a disk:**

****

**Before mounting:**

**A screenshot of a computer

Description automatically generated with medium confidence**

**After mounting:**

**Calendar

Description automatically generated**

****

**To check the file mounted or not:**

**Text

Description automatically generated**

**Logical volume management**

Logical volume management is an abstraction layer between operating system and hard disk.

Pv-physical volume.

vg- volume group

lg- logical group.

Pv commend:

This is used to adding or removing hard drives in volume groups.

Vg commend:

Volume group commands are for changing what abstracted set of physical partitions are presented to your operating in logical volumes.

Lg commend:

Logical volume commands will present the volume groups as partitions so that your operating system can use the designated space.

Basic commends for pv:

1. Display.
2. S
3. Create
4. Change
5. Move
6. Resize
7. Ck
8. Scane
9. Dump

Vg commends:

1. S
2. Create
3. Rename
4. Display
5. Change
6. Move
7. Extend
8. Reduce
9. Split
10. Merge
11. Convert
12. Import
13. Export
14. Import clone
15. Cfgbackup
16. Cfgrestore
17. Ckscane
18. Mknodes
19. Remove

Lg commends:

1. S
2. Create
3. Rename
4. Display
5. Change
6. Extend
7. Reduce
8. Resize
9. Convert
10. Scane
11. remove