1 Create the 5 partition as par below

Update the partition table as with partprobe command

2. format the partition in ext4

[root@localhost ~]# mkfs.ext4 /dev/sdb1

[root@localhost ~]# mkfs.ext4 /dev/sdb2

[root@localhost ~]# mkfs.ext4 /dev/sdb3

[root@localhost ~]# mkfs.ext4 /dev/sdb4

[root@localhost ~]# mkfs.ext4 /dev/sdb5

Mount the partition

[root@localhost ~]# mount /dev/sdb1 /mount1

[root@localhost ~]# mount /dev/sdb2 /mount2

[root@localhost ~]# mount /dev/sdb3 /mount3

[root@localhost ~]# mount /dev/sdb4 /mount4

[root@localhost ~]# mount /dev/sdb5 /mount5

And also trying to permanently mount one partition in vim /etc/fstab

Unmount the Partition from the /etc/fstab

After the run the

[root@localhost ~]# mount -a

But Still partition showing in partition table like that

Now we are going to delete the partition

Deleted all the partition

Now going to create the Lvm partion

Create the lvm partiotion with 8e code

Now I m going to create pv

Vgcreate

Create the LV

lvcreate -L 1GB -n openpath kvit

And mount the partition

Extent the partition

lvextend -L+500M /dev/kvit/openpath

Reducing Logical Volume (LVM):

Let’s wee what are the 5 steps below.

unmount the file system for reducing.

Check the file system after unmount.

Reduce the file system.

Reduce the Logical Volume size than Current size.

Recheck the file system for error.

Remount the file-system back to stage.

umount /dev/mapper/kvit-openpath /data

Reduce the LVM now

lvreduce -L -1G /dev/kvit/openpath