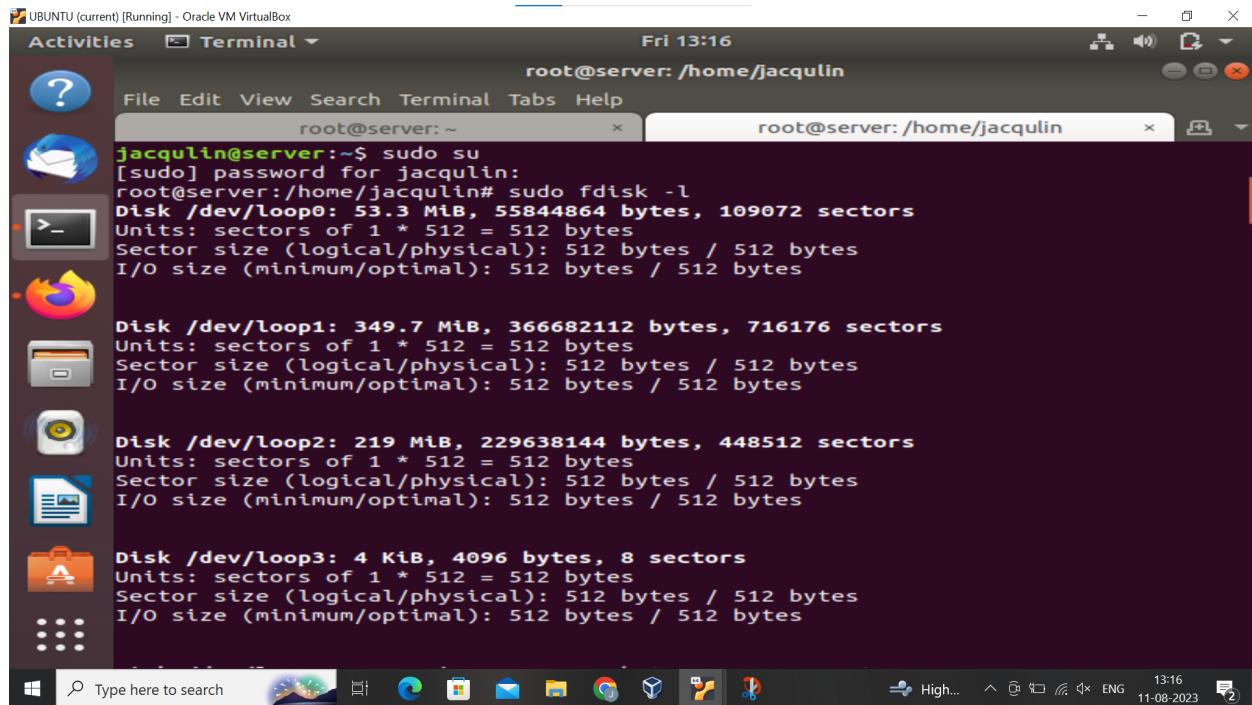


# Create a Partition in Linux

## Sudo Fdisk -l



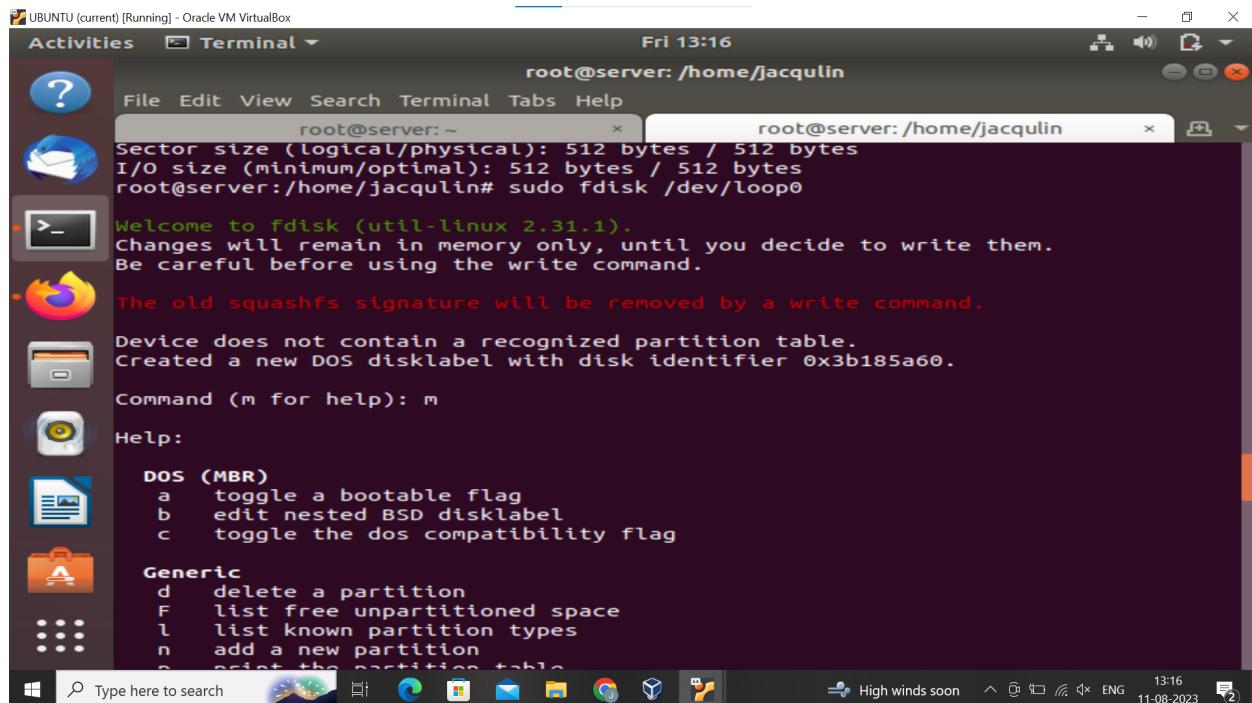
```
root@server:~$ sudo su
[sudo] password for jacqulin:
root@server:/home/jacqulin# sudo fdisk -l
Disk /dev/loop0: 53.3 MiB, 55844864 bytes, 109072 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop1: 349.7 MiB, 366682112 bytes, 716176 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop2: 219 MiB, 229638144 bytes, 448512 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop3: 4 KiB, 4096 bytes, 8 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

## Sudo fdisk /dev/loop0



```
root@server:~$ sudo fdisk /dev/loop0
Welcome to fdisk (util-linux 2.31.1).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

The old squashfs signature will be removed by a write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x3b185a60.

Command (m for help): m

      DOS (MBR)
      a    toggle a bootable flag
      b    edit nested BSD disklabel
      c    toggle the dos compatibility flag

      Generic
      d    delete a partition
      F    list free unpartitioned space
      l    list known partition types
      n    add a new partition
      p    print the partition table
```

## t command and l command

Ubuntu (current) [Running] - Oracle VM VirtualBox

Activities Terminal Fri 13:15

root@server: /home/jacqulin

```
File Edit View Search Terminal Tabs Help
root@server: ~ x root@server: /home/jacqulin x
0 Empty 24 NEC DOS 81 Minix / old Lin bf Solaris
1 FAT12 27 Hidden NTFS Win 82 Linux swap / So c1 DRDOS/sec (FAT-
2 XENIX root 39 Plan 9 83 Linux c4 DRDOS/sec (FAT-
3 XENIX usr 3c PartitionMagic 84 OS/2 hidden or c6 DRDOS/sec (FAT-
4 FAT16 <32M 40 Venix 80286 85 Linux extended c7 Syrinx
5 Extended 41 PPC PReP Boot 86 NTFS volume set da Non-FS data
6 FAT16 42 SFS 87 NTFS volume set db CP/M / CTOS /
7 HPFS/NTFS/exFAT 4d QNX4.x 88 Linux plaintext de Dell Utility
8 AIX 4e QNX4.x 2nd part 8e Linux LVM df BootIt
9 AIX bootable 4f QNX4.x 3rd part 93 Amoeba e1 DOS access
a OS/2 Boot Manag 50 OnTrack DM 94 Amoeba BBT e3 DOS R/O
b W95 FAT32 51 OnTrack DM6 Aux 9f BSD/OS e4 SpeedStor
c W95 FAT32 (LBA) 52 CP/M a0 IBM Thinkpad hi ea Rufus alignment
e W95 FAT16 (LBA) 53 OnTrack DM6 Aux a5 FreeBSD eb BeOS fs
f W95 Ext'd (LBA) 54 OnTrackDM6 a6 OpenBSD ee GPT
10 OPUS 55 EZ-Drive a7 NeXTSTEP ef EFI (FAT-12/16/
11 Hidden FAT12 56 Golden Bow a8 Darwin UFS f0 Linux/PA-RISC b
12 Compaq diagnost 5c Priam Edisk a9 NetBSD f1 SpeedStor
14 Hidden FAT16 <3 61 SpeedStor ab Darwin boot f4 SpeedStor
16 Hidden FAT16 63 GNU HURD or Sys af HFS / HFS+ f2 DOS secondary
17 Hidden HPFS/NTF 64 Novell Netware b7 BSDI fs fb VMware VMFS
18 AST SmartSleep 65 Novell Netware b8 BSDI swap fc VMware VMKCORE
1b Hidden W95 FAT3 70 DiskSecure Mult bb Boot Wizard hid fd Linux raid auto
1c Hidden W95 FAT3 75 PC/IX bc Acronis FAT32 L fe LANstep
1e Hidden W95 FAT1 80 Old Minix be Solaris boot ff BBT
Hex code (type L to list all codes):
```

Windows Type here to search 31°C 13:15 11-08-2023

Ubuntu (current) [Running] - Oracle VM VirtualBox

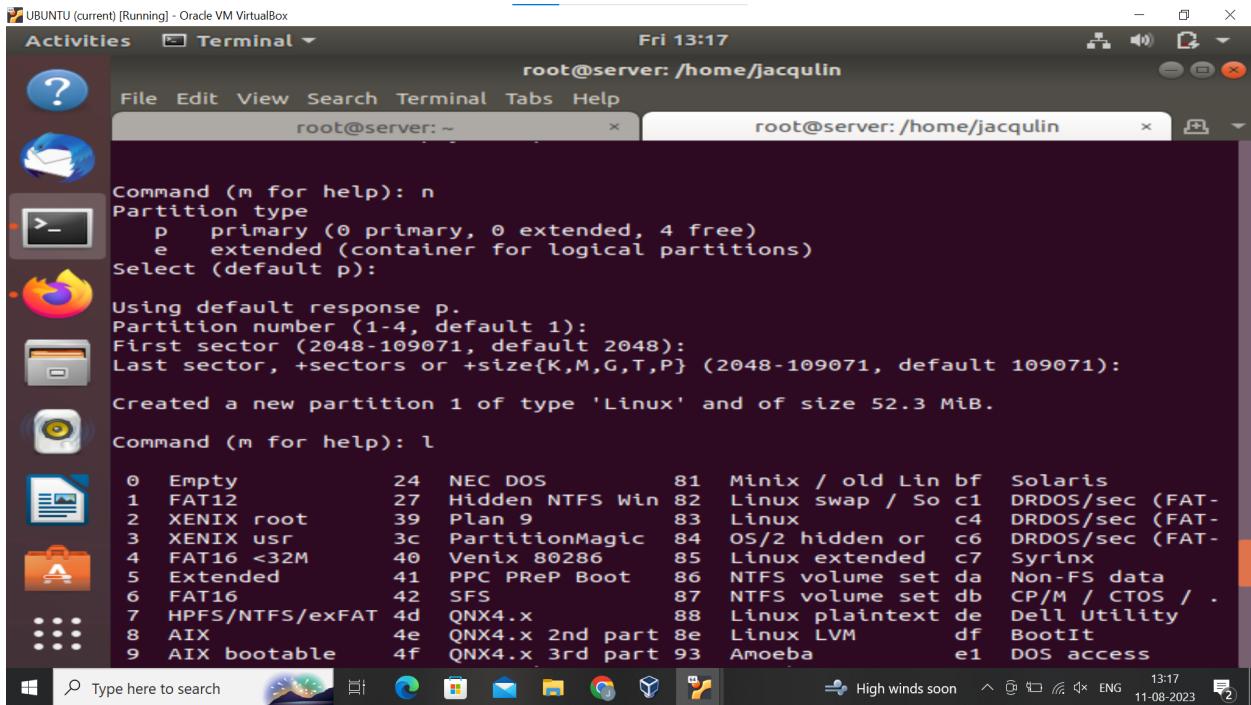
Activities Terminal Fri 13:17

root@server: /home/jacqulin

```
File Edit View Search Terminal Tabs Help
root@server: ~ x root@server: /home/jacqulin x
1e Hidden W95 FAT1 80 Old Minix be Solaris boot ff BBT
Command (m for help): t
Selected partition 1
Hex code (type L to list all codes): l
0 Empty 24 NEC DOS 81 Minix / old Lin bf Solaris
1 FAT12 27 Hidden NTFS Win 82 Linux swap / So c1 DRDOS/sec (FAT-
2 XENIX root 39 Plan 9 83 Linux c4 DRDOS/sec (FAT-
3 XENIX usr 3c PartitionMagic 84 OS/2 hidden or c6 DRDOS/sec (FAT-
4 FAT16 <32M 40 Venix 80286 85 Linux extended c7 Syrinx
5 Extended 41 PPC PReP Boot 86 NTFS volume set da Non-FS data
6 FAT16 42 SFS 87 NTFS volume set db CP/M / CTOS /
7 HPFS/NTFS/exFAT 4d QNX4.x 88 Linux plaintext de Dell Utility
8 AIX 4e QNX4.x 2nd part 8e Linux LVM df BootIt
9 AIX bootable 4f QNX4.x 3rd part 93 Amoeba e1 DOS access
a OS/2 Boot Manag 50 OnTrack DM 94 Amoeba BBT e3 DOS R/O
b W95 FAT32 51 OnTrack DM6 Aux 9f BSD/OS e4 SpeedStor
c W95 FAT32 (LBA) 52 CP/M a0 IBM Thinkpad hi ea Rufus alignment
e W95 FAT16 (LBA) 53 OnTrack DM6 Aux a5 FreeBSD eb BeOS fs
f W95 Ext'd (LBA) 54 OnTrackDM6 a6 OpenBSD ee GPT
10 OPUS 55 EZ-Drive a7 NeXTSTEP ef EFI (FAT-12/16/
11 Hidden FAT12 56 Golden Bow a8 Darwin UFS f0 Linux/PA-RISC b
12 Compaq diagnost 5c Priam Edisk a9 NetBSD f1 SpeedStor
14 Hidden FAT16 <3 61 SpeedStor ab Darwin boot f4 SpeedStor
16 Hidden FAT16 63 GNU HURD or Sys af HFS / HFS+ f2 DOS secondary
17 Hidden HPFS/NTF 64 Novell Netware b7 BSDI fs fb VMware VMFS
18 AST SmartSleep 65 Novell Netware b8 BSDI swap fc VMware VMKCORE
Hex code (type L to list all codes):
```

Windows Type here to search High winds soon 13:17 11-08-2023

## N command to create new disk partition



UBUNTU (current) [Running] - Oracle VM VirtualBox

Activities Terminal Fri 13:17 root@server: /home/Jacqulin

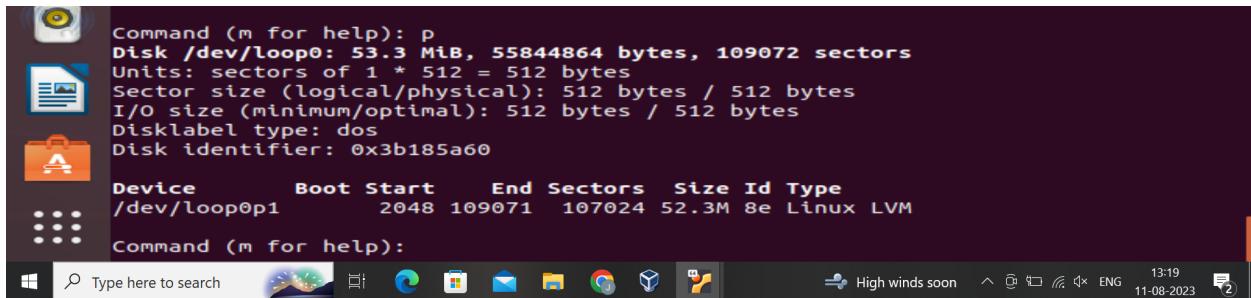
```
File Edit View Search Terminal Tabs Help
root@server: ~ x root@server: /home/jacmlin x
Command (m for help): n
Partition type
  p  primary (0 primary, 0 extended, 4 free)
  e  extended (container for logical partitions)
Select (default p):
Using default response p.
Partition number (1-4, default 1):
First sector (2048-109071, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-109071, default 109071):
Created a new partition 1 of type 'Linux' and of size 52.3 MiB.

Command (m for help): l
 0  Empty          24  NEC DOS      81  Minix / old Lin bf  Solaris
 1  FAT12         27  Hidden NTFS Win 82  Linux swap / So c1  DRDOS/sec (FAT-
 2  XENIX root    39  Plan 9       83  Linux          c4  DRDOS/sec (FAT-
 3  XENIX usr     3c  PartitionMagic 84  os/2 hidden or   c6  DRDOS/sec (FAT-
 4  FAT16 <32M    40  Venix 80286  85  Linux extended  c7  Syrinx
 5  Extended      41  PPC PReP Boot  86  NTFS volume set da Non-FS data
 6  FAT16          42  SFS          87  NTFS volume set db CP/M / CTOS /
 7  HPFS/NTFS/exFAT 4d  QNX4.x     88  Linux plaintext de Dell Utility
 8  AIX           4e  QNX4.x 2nd part 8e  Linux LVM        df BootIt
 9  AIX bootable   4f  QNX4.x 3rd part 93  Amoeba        e1 DOS access

root@server: /home/jacmlin x
```

Type here to search High winds soon 13:17 11-08-2023

## P command



UBUNTU (current) [Running] - Oracle VM VirtualBox

Activities Terminal Fri 13:17 root@server: /home/Jacqulin

```
File Edit View Search Terminal Tabs Help
root@server: ~ x root@server: /home/jacmlin x
Command (m for help): p
Disk /dev/loop0: 53.3 MiB, 55844864 bytes, 109072 sectors
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: 0x3b185a60

Device      Boot Start   End Sectors  Size Id Type
/dev/loop0p1        2048 109071  107024 52.3M 8e Linux LVM

Command (m for help): l
 0  Empty          24  NEC DOS      81  Minix / old Lin bf  Solaris
 1  FAT12         27  Hidden NTFS Win 82  Linux swap / So c1  DRDOS/sec (FAT-
 2  XENIX root    39  Plan 9       83  Linux          c4  DRDOS/sec (FAT-
 3  XENIX usr     3c  PartitionMagic 84  os/2 hidden or   c6  DRDOS/sec (FAT-
 4  FAT16 <32M    40  Venix 80286  85  Linux extended  c7  Syrinx
 5  Extended      41  PPC PReP Boot  86  NTFS volume set da Non-FS data
 6  FAT16          42  SFS          87  NTFS volume set db CP/M / CTOS /
 7  HPFS/NTFS/exFAT 4d  QNX4.x     88  Linux plaintext de Dell Utility
 8  AIX           4e  QNX4.x 2nd part 8e  Linux LVM        df BootIt
 9  AIX bootable   4f  QNX4.x 3rd part 93  Amoeba        e1 DOS access

root@server: /home/jacmlin x
```

Type here to search High winds soon 13:19 11-08-2023