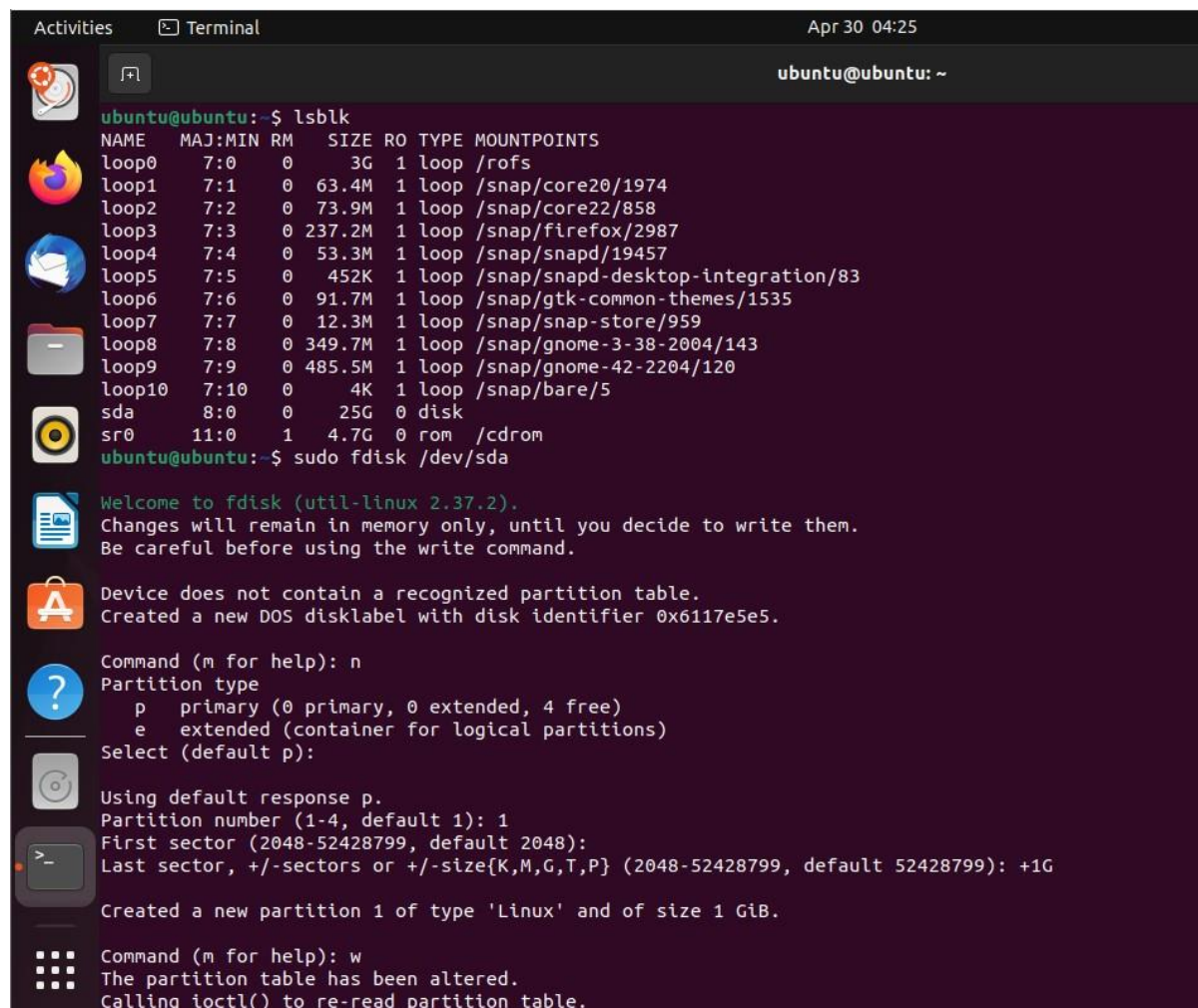


ASSIGNMENT-04

MEGHAA.M

223IT29



The image shows a terminal window on an Ubuntu system. The top bar indicates 'Activities', 'Terminal', and the date 'Apr 30 04:25'. The user is logged in as 'ubuntu@ubuntu: ~'. The terminal output shows the execution of 'lsblk' and 'sudo fdisk /dev/sda'.

```
ubuntu@ubuntu:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0       7:0      0   3G   1 loop /rofs
loop1       7:1      0 63.4M   1 loop /snap/core20/1974
loop2       7:2      0 73.9M   1 loop /snap/core22/858
loop3       7:3      0 237.2M   1 loop /snap/firefox/2987
loop4       7:4      0 53.3M   1 loop /snap/snapd/19457
loop5       7:5      0 452K    1 loop /snap/snapd-desktop-integration/83
loop6       7:6      0 91.7M   1 loop /snap/gtk-common-themes/1535
loop7       7:7      0 12.3M   1 loop /snap/snap-store/959
loop8       7:8      0 349.7M   1 loop /snap/gnome-3-38-2004/143
loop9       7:9      0 485.5M   1 loop /snap/gnome-42-2204/120
loop10      7:10     0    4K    1 loop /snap/bare/5
sda         8:0      0 25G    0 disk
sr0        11:0     1 4.7G    0 rom  /cdrom

ubuntu@ubuntu:~$ sudo fdisk /dev/sda

Welcome to fdisk (util-linux 2.37.2).
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 disklabel with disk identifier 0x6117e5e5.

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): 1
First sector (2048-52428799, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-52428799, default 52428799): +1G

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

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

ASSIGNMENT-04

```
Activities  Terminal  Apr 30 04:28  ubuntu@ubuntu: ~

First sector (2048-52428799, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-52428799, default 52428799): +1G

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

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

ubuntu@ubuntu:~$ lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0         7:0      0    3G  1 loop /rofs
loop1         7:1      0   63.4M  1 loop /snap/core20/1974
loop2         7:2      0   73.9M  1 loop /snap/core22/858
loop3         7:3      0  237.2M  1 loop /snap/firefox/2987
loop4         7:4      0   53.3M  1 loop /snap/snapd/19457
loop5         7:5      0    452K  1 loop /snap/snapd-desktop-integration/83
loop6         7:6      0   91.7M  1 loop /snap/gtk-common-themes/1535
loop7         7:7      0   12.3M  1 loop /snap/snap-store/959
loop8         7:8      0  349.7M  1 loop /snap/gnome-3-38-2004/143
loop9         7:9      0  485.5M  1 loop /snap/gnome-42-2204/120
loop10        7:10     0     4K  1 loop /snap/bare/5
sda           8:0      0    25G  0 disk
└─sda1        8:1      0     1G  0 part
sr0          11:0     1   4.7G  0 rom  /cdrom
ubuntu@ubuntu:~$ sudo mkfs.xfs /dev/sda1
meta-data=/dev/sda1          isize=512    agcount=4, agsize=65536 blks
=                           sectsz=512   attr=2, projid32bit=1
=                           crc=1       finobt=1, sparse=1, rmapbt=0
=                           reflink=1   bigtime=0 inobtcount=0
data      =                   bsize=4096   blocks=262144, imaxpct=25
=                           sunit=0     swidth=0 blks
naming    =version 2          bsize=4096   ascii-ci=0, ftype=1
log       =internal log      bsize=4096   blocks=2560, version=2
=                           sectsz=512   sunit=0 blks, lazy-count=1
realtime  =none              extsz=4096   blocks=0, rtextents=0
ubuntu@ubuntu:~$ sudo mount /dev/sda1 /mnt
ubuntu@ubuntu:~$ lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
```

ASSIGNMENT-04

Activities  Terminal

Apr 30 04:26

ubuntu@ubuntu: ~

```
Command (m for help): n
```

Partition type

p primary (0 primary, 0 extended, 4 free)

- extended (container for logical partitions)

Select (default p):

Using default response p.

Partition number (1-4, default 1): 1

First sector (2048-52428799, default 2048):

```
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-52428799, default 52428799): +1G
```

```
Created a new partition 1 of type 'Linux' and of size 1 GiB.
```

```
Command (m for help): w
```

The partition table has been altered.

Calling `ioctl()` to re-read partition table.

Syncing disks.

```
ubuntu@ubuntu:~$ lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
------	---------	----	------	----	------	-------------

```
loop0      7:0      0      3G  1 loop /rofs
```

```
loop1      7:1      0  63.4M  1 loop /snap/core20/1974
```

```
loop2      7:2      0  73.9M  1 loop /snap/core22/858
```

```
loop3      7:3      0 237.2M   1 loop /snap/firefox/2987
```

```
loop4      7:4      0  53.3M  1 loop /snap/snapd/19457
```

loop5	7:5	0	452K	1	loop /snap/snapd-desktop-integration/83
-------	-----	---	------	---	---

loop6	7:6	0	91.7M	1	loop	/snap/gtk-common-themes/1535
-------	-----	---	-------	---	------	------------------------------

```
loop6      7:7      0  11.7M  1 loop /snap/gtk-common-themes/1535
loop7      7:7      0  12.3M  1 loop /snap/snap-store/959
```

loop7	7:7	0	12.5M	1	loop /snap/snap-store/555
loop8	7:8	0	349.7M	1	loop /snap/opname-3-38-2004/143

loop8	7:9	0.515.1M	1	loop	/snap/gnome-3-38-2004/120
loop9	7:9	0.485.5M	1	loop	/snap/gnome-42-2204/120

```
loop0      7:10      0      4K      1 loop /snap/gnome-
loop10     7:10      0      4K      1 loop /snap/bace/5
```

```
loopio      7:10      0      4K      1 loopio
sda         8:0        0     25G      0 disk
```

300	8:0	0	250	0	getsk
↳sda1	8:1	0	10	0	part

```

30001      0.1      0      10      0 part
500      11:0      1      4 70      0 com   /cdrom

```

```
ubuntu@ubuntu:~$ sudo mkfs.xfs /dev/sda
```

```
meta-data=/dev/sda1          isize=512          account=1      agsize=65536 blks
```

```
meta-data=/dev/sda1      tstsize=512      agcount=4, agsize=655
_         _             sectsz=512      attr=3      projid32bit=1
```

```

- sectsz=512      atk1=2, proj032vtt=1
- csc=1           fipobt=1  sparsco=1  smapbt=0

```

```

-         crc=1          fltmode=1, sparse=1, tmm=0
-         reflink=1      bigtime=0 ipoptcount=0

```

[illegible]

```
data = dict(size=4096, blocks=202144, maxproc=25)
```

ASSIGNMENT-04

```
Activities Terminal Apr 30 04:28 ubuntu@ubuntu: ~

=
naming =version 2 sunit=0 swidth=0 blks
log =internal log bsize=4096 ascii-ci=0, ftype=1
= sectsz=512 blocks=2560, version=2
realtime =none extsz=4096 sunit=0 blks, lazy-count=1
blocks=0, rtextents=0
ubuntu@ubuntu:~$ sudo mount /dev/sda1 /mnt
ubuntu@ubuntu:~$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
loop0 7:0 0 3G 1 loop /rofs
loop1 7:1 0 63.4M 1 loop /snap/core20/1974
loop2 7:2 0 73.9M 1 loop /snap/core22/858
loop3 7:3 0 237.2M 1 loop /snap/firefox/2987
loop4 7:4 0 53.3M 1 loop /snap/snapd/19457
loop5 7:5 0 452K 1 loop /snap/snapd-desktop-integration/83
loop6 7:6 0 91.7M 1 loop /snap/gtk-common-themes/1535
loop7 7:7 0 12.3M 1 loop /snap/snap-store/959
loop8 7:8 0 349.7M 1 loop /snap/gnome-3-38-2004/143
loop9 7:9 0 485.5M 1 loop /snap/gnome-42-2204/120
loop10 7:10 0 4K 1 loop /snap/bare/5
sda 8:0 0 25G 0 disk
└─sda1 8:1 0 1G 0 part /mnt
sr0 11:0 1 4.7G 0 rom /cdrom
ubuntu@ubuntu:~$ sudo umount /mnt
ubuntu@ubuntu:~$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
loop0 7:0 0 3G 1 loop /rofs
loop1 7:1 0 63.4M 1 loop /snap/core20/1974
loop2 7:2 0 73.9M 1 loop /snap/core22/858
loop3 7:3 0 237.2M 1 loop /snap/firefox/2987
loop4 7:4 0 53.3M 1 loop /snap/snapd/19457
loop5 7:5 0 452K 1 loop /snap/snapd-desktop-integration/83
loop6 7:6 0 91.7M 1 loop /snap/gtk-common-themes/1535
loop7 7:7 0 12.3M 1 loop /snap/snap-store/959
loop8 7:8 0 349.7M 1 loop /snap/gnome-3-38-2004/143
loop9 7:9 0 485.5M 1 loop /snap/gnome-42-2204/120
loop10 7:10 0 4K 1 loop /snap/bare/5
sda 8:0 0 25G 0 disk
└─sda1 8:1 0 1G 0 part
sr0 11:0 1 4.7G 0 rom /cdrom
ubuntu@ubuntu:~$
```