

## Assignment 4

### Mount & Umount

Abdul Kalam A H N  
23CSA03,KITE.

```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS  
loop0 7:0 0 2.7G 1 loop /rofs  
loop1 7:1 0 74.2M 1 loop /snap/core22/1122  
loop2 7:2 0 4K 1 loop /snap/bare/5  
loop3 7:3 0 497M 1 loop /snap/gnome-42-2204/141  
loop4 7:4 0 266.6M 1 loop /snap/firefox/3836  
loop5 7:5 0 91.7M 1 loop /snap/gtk-common-themes/1535  
loop6 7:6 0 12.3M 1 loop /snap/snap-store/959  
loop7 7:7 0 452K 1 loop /snap/snapd-desktop-integration/83  
loop8 7:8 0 40.4M 1 loop /snap/snapd/20671  
sda 8:0 0 31.5G 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 0x02084bbf.  
  
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 (2048-66018335, default 2048):  
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-66018335, default 66018335): +5Gb  
  
Created a new partition 1 of type 'Linux' and of size 4.7 GiB.  
  
Command (m for help): w  
The partition table has been altered.  
Calling ioctl() to re-read partition table.  
Syncing disks.  
  
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loop8 7:8 0 40.4M 1 loop /snap/snapd/20671  
sda 8:0 0 31.5G 0 disk  
└─sda1 8:1 0 4.7G 0 part  
sr0 11:0 1 4.7G 0 rom /cdrom  
ubuntu@ubuntu:~$ sudo mkfs.xfs -f /dev/sda1  
meta-data=/dev/sda1 isize=512 agcount=4, agsize=305152 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=1220608, inapct=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  
loop0 7:0 0 2.7G 1 loop /rofs  
loop1 7:1 0 74.2M 1 loop /snap/core22/1122  
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```
ubuntu@ubuntu: ~  
= sectsz=512 attr=2, projid32bit=1  
= crc=1 finobt=1, sparse=1, rmapbt=0  
= reflink=1 bigtime=0 inobtcount=0  
data = bsize=4096 blocks=1220608, inapct=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  
loop0 7:0 0 2.7G 1 loop /rofs  
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sda 8:0 0 31.5G 0 disk  
└─sda1 8:1 0 4.7G 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  
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loop1 7:1 0 74.2M 1 loop /snap/core22/1122  
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