Mount USB Drive on Boot

Having created a partition, formatted it and mounted it, the mounting temporary and will be lost upon reboot. To mount it at boot we can do the following:

First we need to work out the disk we wish to mount:

```
  ls -l /dev/disk/by-uuid
  (on my system that is the SD card we booted from and a single USB Hard Disk)
  total 0
  lrwxrwxrwx 1 root root 15 Jul 28 20:33 0403-0201 -> ../../mmcblk0p1
  lrwxrwxrwx 1 root root 15 Jul 28 20:33 1495-189B -> ../../mmcblk0p6
  lrwxrwxrwx 1 root root 15 Jul 28 20:33 200C-EA5B -> ../../mmcblk0p8
  lrwxrwxrwx 1 root root 15 Jul 28 20:33 26d10fa3-fe0a-4044-b24a-9b85c2079122 -> ../../mmcblk0p9
  lrwxrwxrwx 1 root root 10 Jul 28 20:33 6af40af7-759f-4ee5-afea-882e9f58f17e -> ../../sda1
  lrwxrwxrwx 1 root root 15 Jul 28 20:32 705f6e2b-fac6-4f33-8611-d57a9c9f04e1 -> ../../mmcblk0p5
  lrwxrwxrwx 1 root root 15 Jul 28 20:33 759bca6b-5766-4941-b830-cdbfcd861107 -> ../../mmcblk0p7
  The assignment ending in /sda1 is what I am interested in.
```

```
  Note Down the value of the drive you wish to mount
  6af40af7-759f-4ee5-afea-882e9f58f17e (in this example)
```

```
  Get the uid, gid for pi user and group using:
  id
  uid=1000(pi) gid=1000(pi)
groups=1000(pi),4(adm),20(dialout),24(cdrom),27(sudo),29(audio),44(video),46(plugdev),60(games),100(user
s),101(input),108(netdev),997(gpio),998(i2c),999(spi)
  Here we can see the uid for pi is 1000 (I am assuming you are using the pi account)
```

```
  Mount the USB Drive and then check if it is accessible at /media/NEWDRIVE
```

```
  sudo mount -t ntfs-3g -o uid=1000,gid=1000,umask=007 /dev/sda1 /media/NASDRIVE
```

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