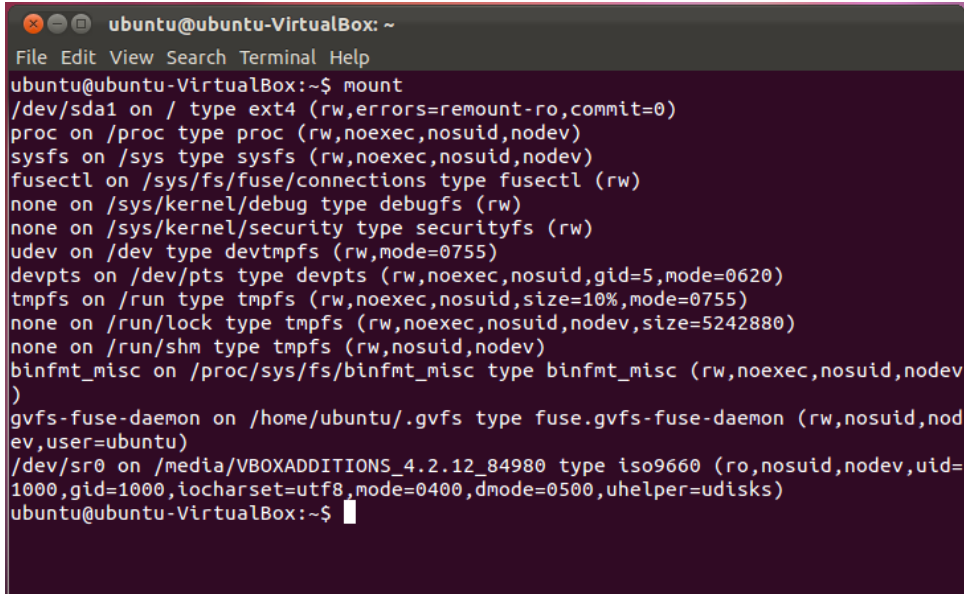Cloning and SD Card in Linux

1) Purchase a new 16GB or larger Micro-SD card and carrier, so you can preserve the one you are working on.
2) Run "mount" and note all the mounted devices and volumes. This will look something like this:

3) Insert the Micro-SD in an SD carrier card into your computer or use a USB card reader
4) Run "mount" again and you should see your SD card as a new mount that was not there before. Most new SD cards are formatted either FAT32 or NTFS and will typically mount the empty file system and show up as "media" with a device name like /dev/mmcblk0 – note that if the SD card is partitioned you may see /dev/mmcblk0p1, but just ignore the partition.
5) Download - http://ecee.colorado.edu/~ecen5623/ecen/ex/ecen5623/Linux/unbuntu-sd-card.bin/zip
6) Unzip it with "unzip".
7) Go ahead and just clone over the top of whatever is on the SD card (assuming it is new) using the following command:

dd if=ubuntu-sd-card2-root.bin of=/dev/mmcblk0 conv=noerror bs=1MB