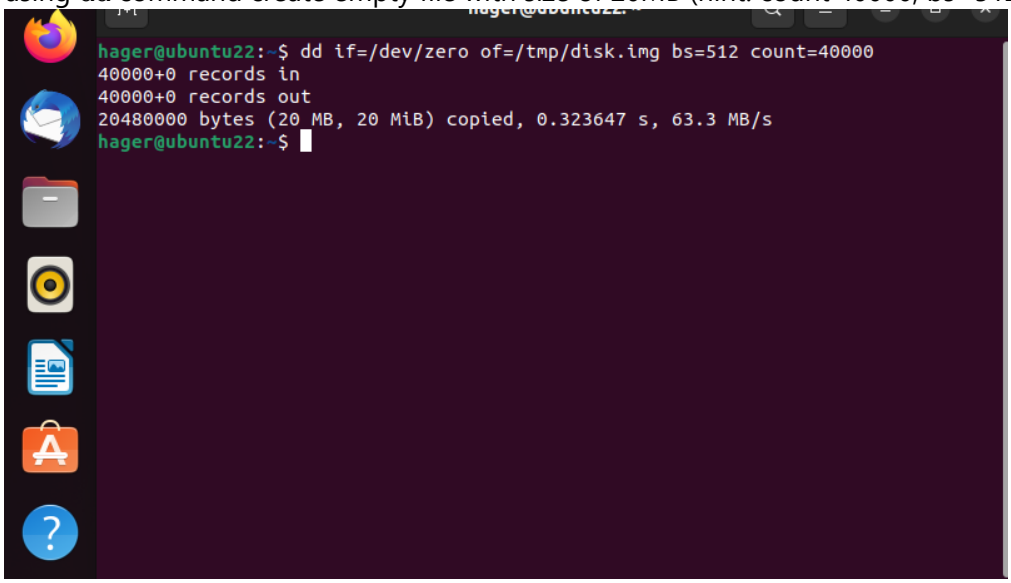
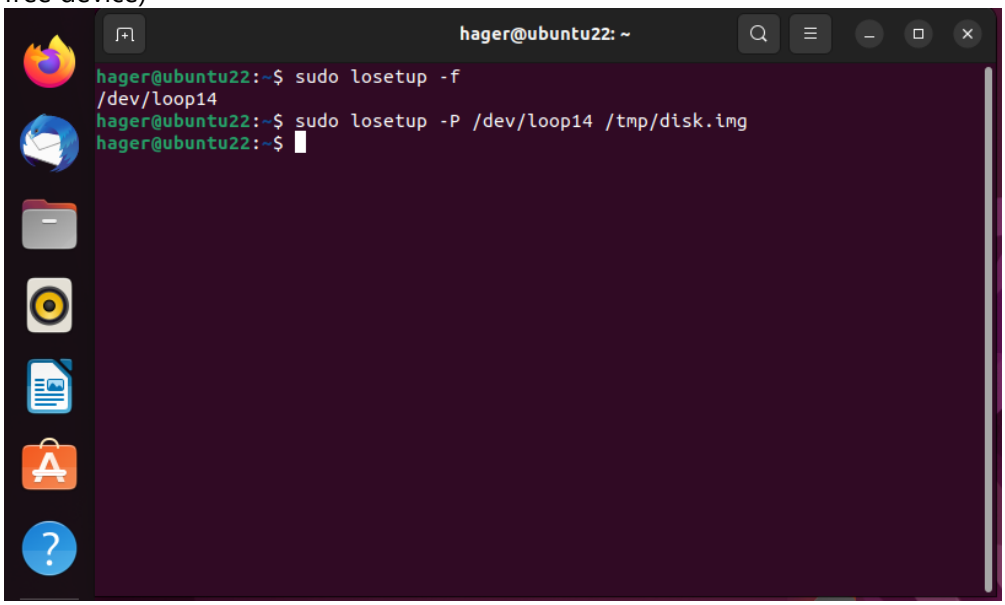
Lab 5

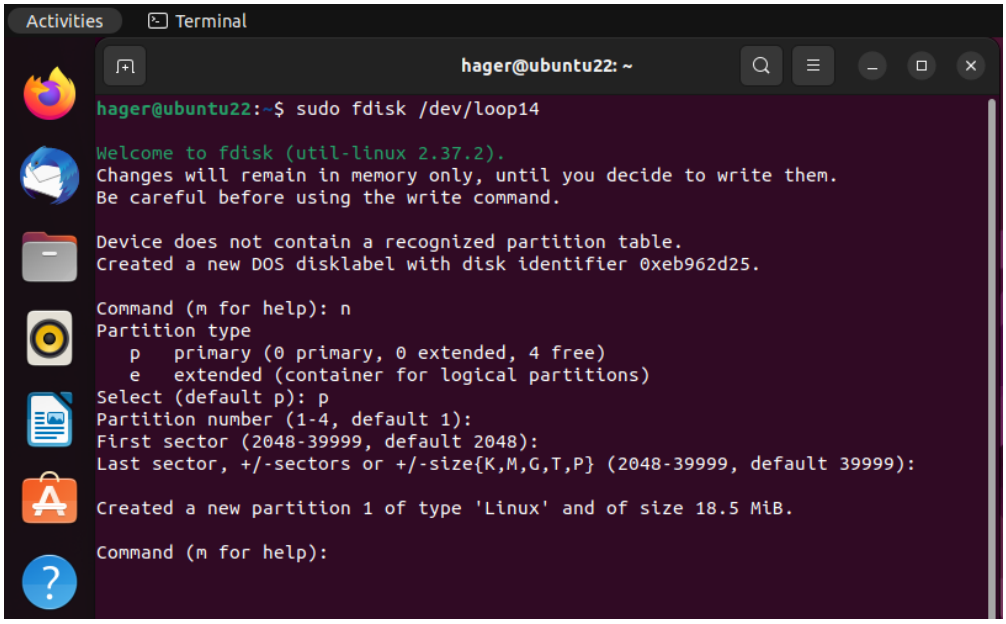
- using `dd` command create empty file with size of 20MB (hint: count 40000, bs=512)



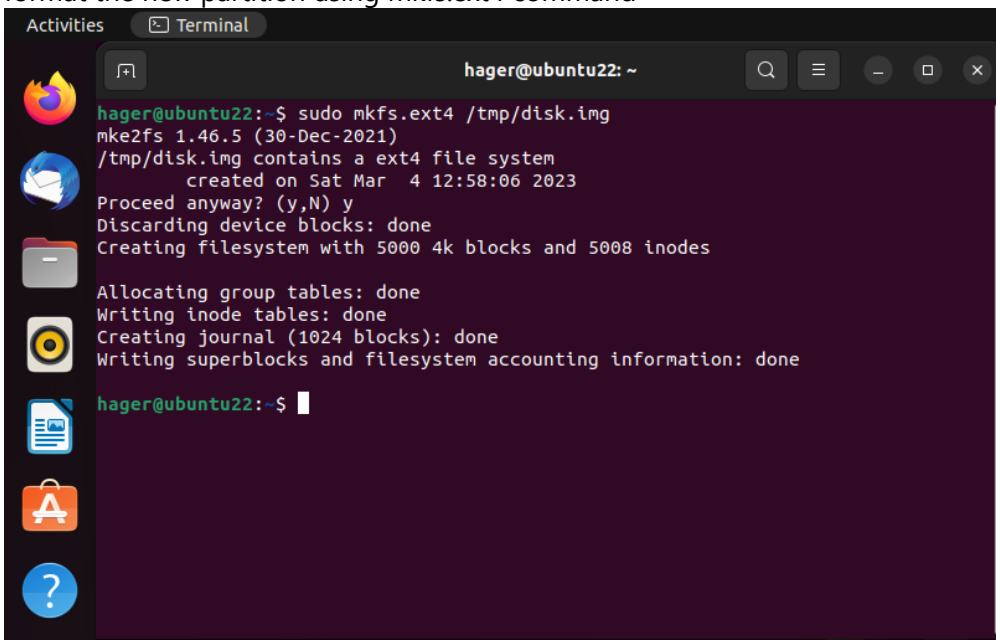
- attach the file as loop device using losetup command (hint: use losetup -f to allocate free device)



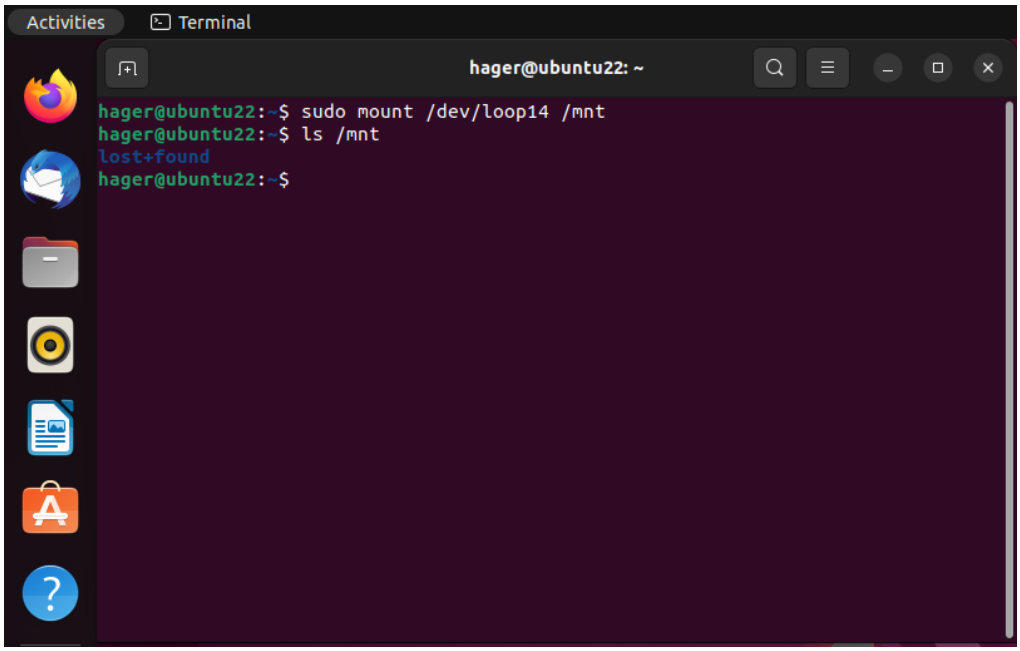
- using fdisk command, create new partition into the loop device (`fdisk /dev/loop<??>` where <??> is the device number)



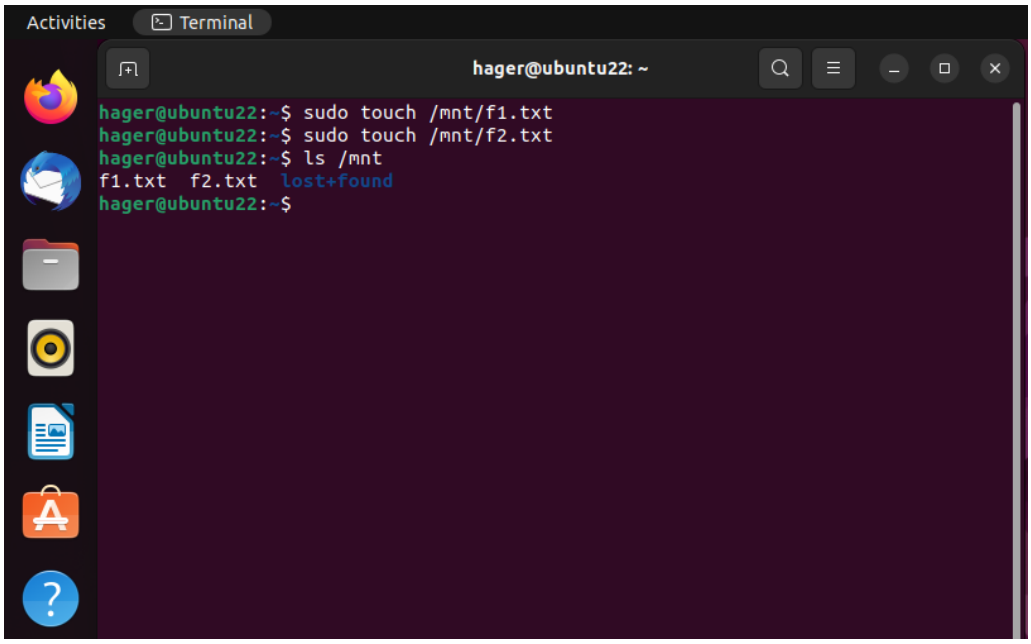
- format the new partition using mkfs.ext4 command



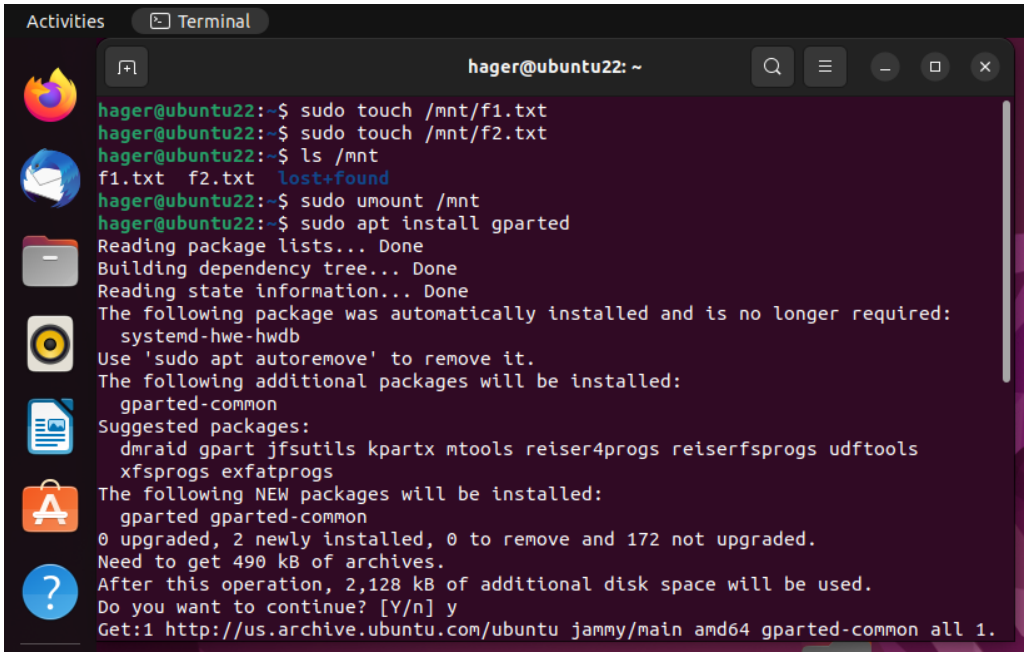
- mount the formatted partition into /mnt directory



- create some files inside the mounted /mnt directory



- unmount /mnt directory using umount command



- using `apt` command, search and install `gparted` program
- navigate and use gparted to detect the the new partition