Assignment 2

- First we create the block device files representing the disk on 512 KB of RAM, with two partitions.
- Then we load this driver dof.ko using insmod .
- The block device files (/dev/dof) where /dev/dof is the entire disk, which is 512 KB in size. dof1 and dof2 are its partitions can be seen.
- Then we can read the entire disk (/dev/dof) using the disk dump utility dd.
- Clear the first sector of the disk's first partition (/dev/dof1), again using dd.
- Write some text into the disk's first partition (/dev/dof1) using cat.
- Display the initial contents of the first partition (/dev/dof1) using the xxd utility. See the log for xxd output.
- Using fdisk, display the partition information for the disc. fdisk output can be found in the log.
- Quick-format the second partition (/dev/dof2) as a vfat filesystem using mkfs.vfat.
- Then, mount the newly formatted partition using mount.
- This partition is now mounted (at /mnt), according to the disc utilisation application df. It is possible to store files there.
- Unload the driver using rmmod dof after unmounting the partition using umount /mnt and the disk will be cleared again.