

20.12.2023

CSE 303

ASSIGNMENT 01

UMUT KALELIOĞLU - 20190808016

ARJİN KAVALCI - 20190808050

ASSIGNMENT 01 – Login Screen

- First, we looked some research for login in Google.
- We found that login banner is usually called 'getty' in Unix based systems.
- Then we looked for getty file in minix with a code like:

```
#find / -name getty* -print
```

- It gave us the location of getty.c file which is /usr/src/commands/simple/getty.c
- We went that location and enter the file with command: `#vi getty.c`
- We read that whole file and found a `def_banner[]`
- This `def_banner` contains the same text when we boot our machine so we made sure this is the place we should change.
- We changed 'login' text with 'Giris' text.
- We close the file with `:wq` for saving and exiting and compile with command:

```
#make install
```

- Then we reboot the machine and checked It seems like:

```
Checking zone map
Checking inode map
Checking inode list

blocksize = 1024      zonesize = 1024

 3092   Regular files
   138   Directories
    0    Block special files
    0    Character special files
22178   Free inodes
    0    Named pipes
    0    Symbolic links
177635   Free zones
/dev/c0d0p0s2 is read-write mounted on /usr

Multiuser startup in progress.
Starting daemons: update cron.
Login as root and run 'setup /usr' to install floppy sets.

Minix Release 2 Version 0.4

noname Giris: root
#
#
```

- Then for transferring file to Ubuntu machine, we used this commands:

From minix:

```
#mount /dev/c0d1p0 /mnt
```

```
#cp /usr/src/commands/simple/getty.c /mnt
```

```
#umount /dev/c0d1p0
```

- Now file is inside my disk called "MinixDist.vdi".

Commands from Ubuntu:

```
sudo mount -o loop,offset=2129408 MinixDist.vdi ../mnt/
```

- File now inside our /mnt folder we changed its permissions with 'chmod 777' command.
- Then we moved to file inside a shared folder with windows os.
- Lastly to unmount /mnt folder from our vdi disk we run command:

```
sudo umount /mnt
```