CSE303 OPERATING SYSTEMS ASSIGNMENT 1

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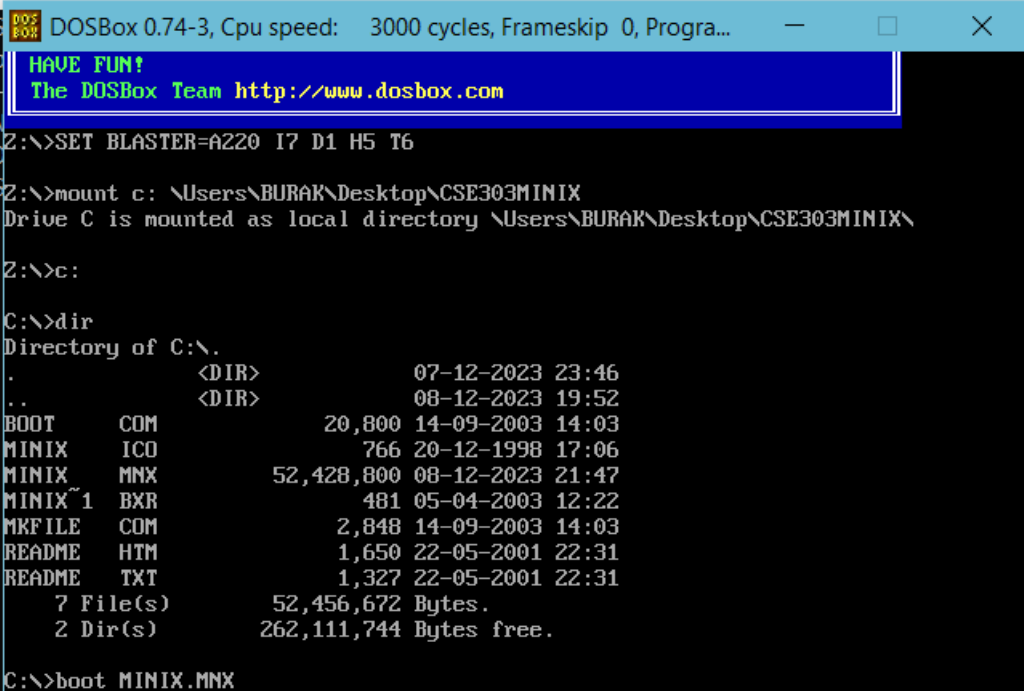**Ayşenur Yelek 20170808060**
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1- We downloaded Minix from
    https://minix1.woodhull.com/pub/minix.2.0/2.0.4/i386/DOSMINIX.ZIP

2- We downloaded DosBox from https://sourceforge.net/projects/dosbox/

3- We installed DosBox.

4-

We mounted Minix to CSE303MINIX folder. After that, opened Minix with boot MINIX.MNX command.

5-

We checked Minix documentation for login keyword. After that, we saw getty.c file. And with find command, we found the directory of getty.c file.

6-

For getting file location of getty.c, we wrote cd command and its directory.

7- For opening getty.c file, we wrote "vi getty.c" and we opened getty.c file with vim editor.

```
/* getty - get tty speed                         Author: Fred van Kempen */
/*burak sazli 20200808703  aysenur yelek 20170808060 sevval yontem 20230808622 e
/*
 * GETTY   -     Initialize and serve a login-terminal for INIT.
 *              Also, select the correct speed. The STTY() code
 *              was taken from stty(1).c; which was written by
 *              Andrew S. Tanenbaum.
 *
 * Usage:       getty [-c filename] [-h] [-k] [-t] line [speed]
 *
 * Version:     3.4      02/17/90
 *
 * Author:      F. van Kempen, MicroWalt Corporation
 *
 * Modifications:
 *              All the good stuff removed to get a minimal getty, because
 *              many modems don't like all that fancy speed detection stuff.
 *              03/03/91        Kees J. Bot (kjb@cs.vu.nl)
 *
 *              Uname(), termios.  More nonsense removed.  (The result has
 *              only 10% of the original functionality, but a 10x chance of
 *              working.)
 *              12/12/92        Kees J. Bot
 *
"getty.c"  192 lines  4625 chars
```

We opened getty.c file and we wrote our names and student numbers as comment line.


```
/* Handle the process of a GETTY.
 */
void do_getty(char *name, size_t len, char **args)
{
  register char *np, *s, *s0;
  int ch;
  struct utsname utsname;
  char **banner;
  static char *def_banner[] = { "%s  Release %r Version %v\n\n%n giris ", 0 };

  /* Default banner? */
  if (args[0] == NULL) args = def_banner;

  /* Display prompt. */
  ch = ' ';
  *name = '\0';
  while (ch != '\n') {
        /* Get data about this machine. */
        uname(&utsname);

        /* Print the banner. */
        for (banner = args; *banner != NULL; banner++) {
                std_out(banner == args ? "\n" : " ");
```
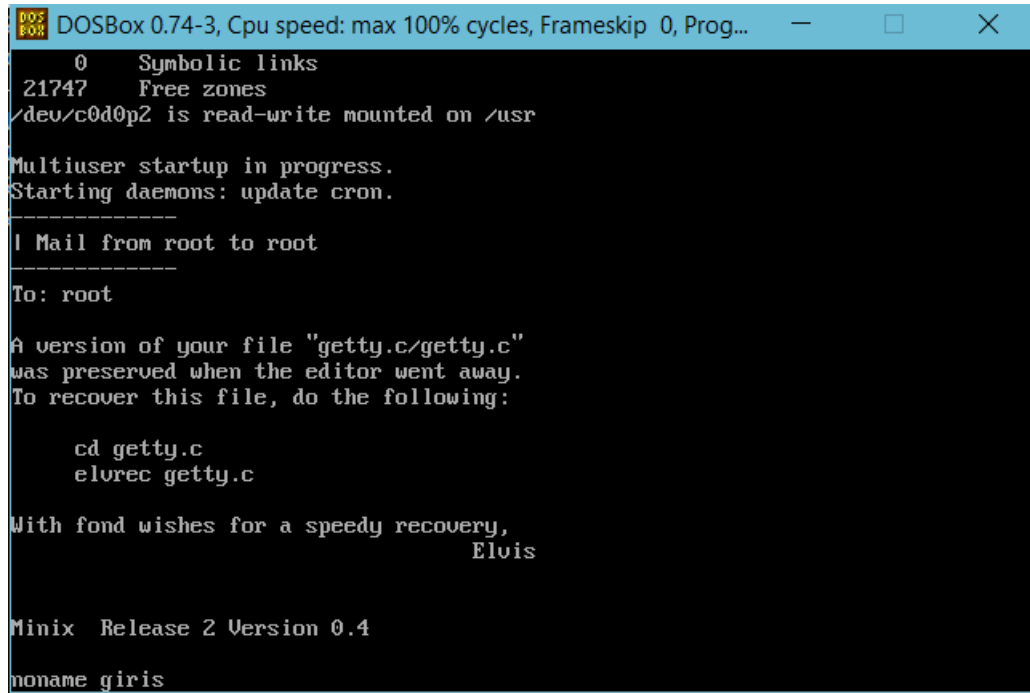
And we changed "login" with "giris". It will write "giris". For editing, we pressed i key and for saving and quiting, we pressed ESC and :wq.

8- For saving the changes our made,we compiled Minix with "make install" command.


```
# make install
```

Finally, the login screen is changed. It will write "giris" instead "login".

```
        0     Symbolic links
  21747      Free zones
/dev/c0d0p2 is read-write mounted on /usr

Multiuser startup in progress.
Starting daemons: update cron.
---------------
| Mail from root to root
---------------
To: root

A version of your file "getty.c/getty.c"
was preserved when the editor went away.
To recover this file, do the following:

     cd getty.c
     elvrec getty.c

With fond wishes for a speedy recovery,
                         Elvis


Minix   Release 2 Version 0.4

noname giris
```