

## ECE 362

### Mosiah Beal

### HW 2

I didn't see any questions in the files provided, so I just filled in the comments left there. My makefile has a custom rule that I liked from my other courses, it makes object files from any c files in the directory. This prevents the makefile from getting cluttered with individual rules for each file.

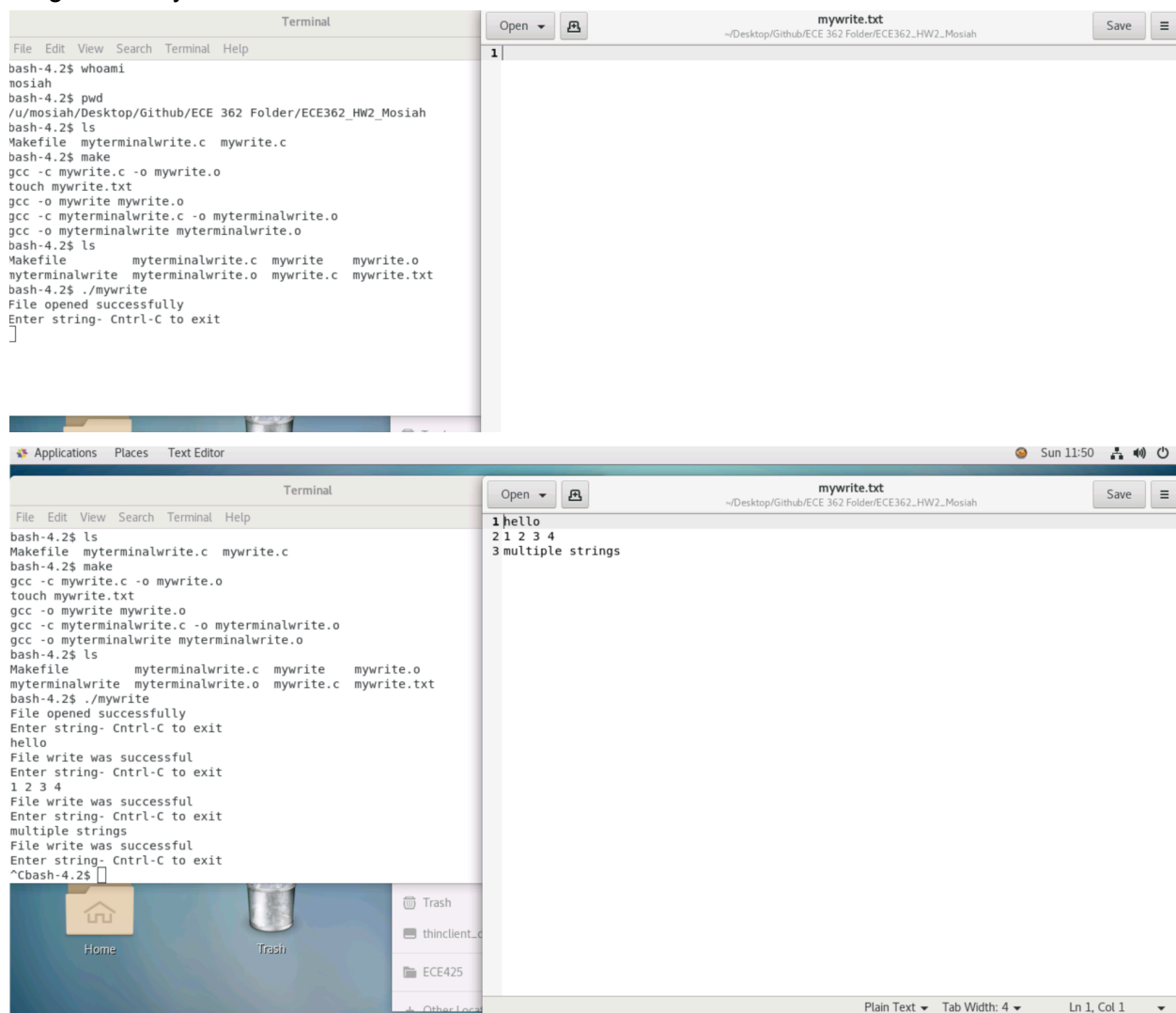
```
# Implicit rule for .c to .o
%.o: %.c
```

```
gcc -c $< -o $@
```

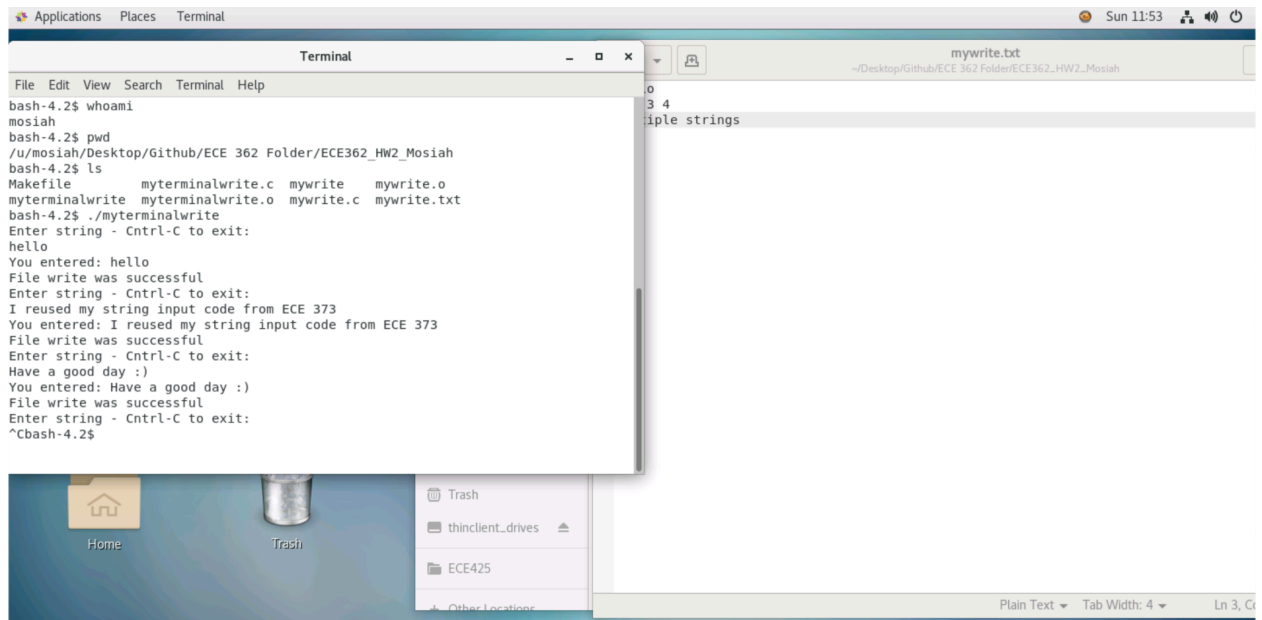
You,

(The "You, " in the bottom right is from a revision blame for my GitHub repo, it isn't in the makefile)

### Program 1: mywrite



## Program 2: myterminalwrite



The screenshot shows a Linux desktop environment. A terminal window is open, displaying the execution of a program named 'myterminalwrite'. The program prompts the user for a string and writes it to a file. The user enters 'hello', 'I reused my string input code from ECE 373', and 'Have a good day :)'. The program outputs 'File write was successful' for each input. A text editor window titled 'mywrite.txt' is also open, showing the contents of the file written by the program. The desktop background is a blue and green abstract image. A sidebar on the left shows icons for Home, Trash, and a list of files including 'thinclient\_drives' and 'ECE425'.

```
bash-4.2$ whoami
mosiah
bash-4.2$ pwd
/u/mosiah/Desktop/Github/ECE 362 Folder/ECE362_HW2_Mosiah
bash-4.2$ ls
Makefile      myterminalwrite.c  mywrite  mywrite.o
myterminalwrite  myterminalwrite.o  mywrite.c  mywrite.txt
bash-4.2$ ./myterminalwrite
Enter string - Cntrl-C to exit:
hello
You entered: hello
File write was successful
Enter string - Cntrl-C to exit:
I reused my string input code from ECE 373
You entered: I reused my string input code from ECE 373
File write was successful
Enter string - Cntrl-C to exit:
Have a good day :)
You entered: Have a good day :)
File write was successful
Enter string - Cntrl-C to exit:
^Cbash-4.2$
```

mywrite.txt  
~/Desktop/Github/ECE 362 Folder/ECE362\_HW2\_Mosiah

0  
3 4  
iple strings

Home Trash

Trash  
thinclient\_drives  
ECE425  
Other Locations

Plain Text Tab Width: 4 Ln 3, C