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Assignment 1 – Command Line Arguments

Description:
This assignment is to write a C program that accepts arguments via the command line and then displays each of those arguments to the terminal along with how many arguments there are.

Approach / What I Did:
After I installed Parallels and the Ubuntu Virtual machine, I spun up the VM to install the applications that I would need for the course. I then generated SSH keys to connect with GitHub and cloned the assignment 1 repo. Following along with the lecture, I populated the Makefile with my information and created the Kim_Mark_HW1_main.c file with a simple "printf" for testing. Using make, I compiled the file in the terminal and ran the program, which verified that everything was working correctly.
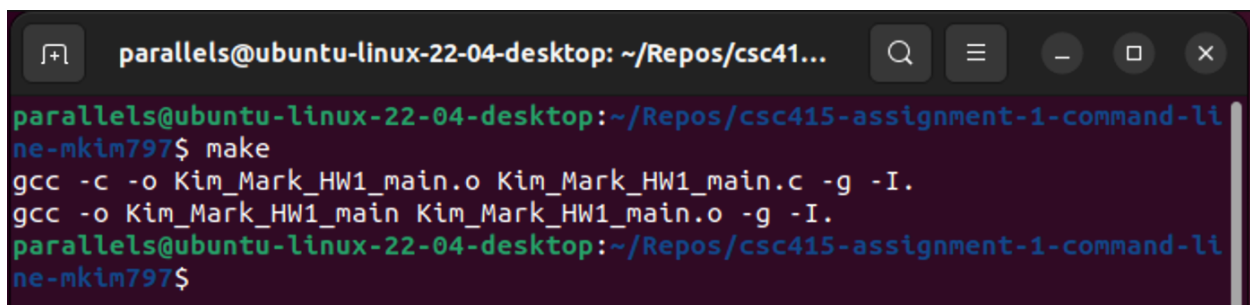
Next, I coded up the simple program to output the requirements given (as shown on the sample execution provided). Commenting was added after I was able to match the output correctly. Once completed, I used "make clean", "make", and ran the executable. I have provided the screenshots of the command line compilation and execution of the output below.

Issues and Resolutions:
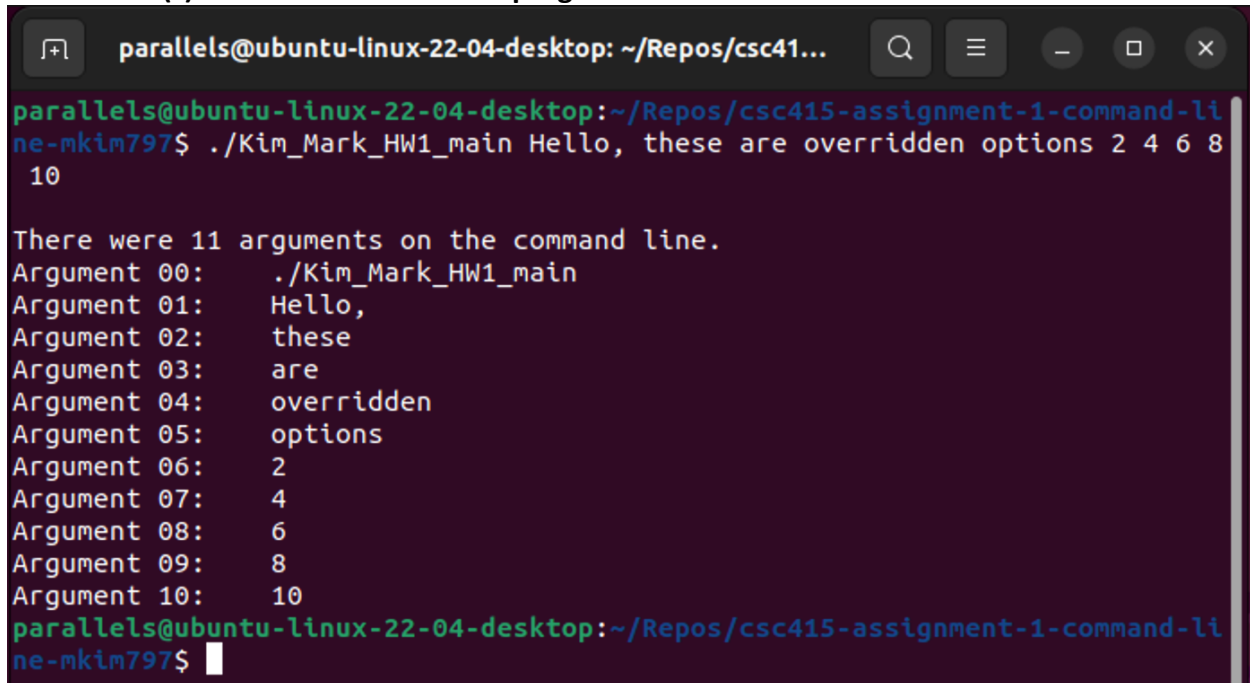
I had no issues as this was a very simple project.

Analysis: N/A

Screen shot of compilation:

Screen shot(s) of the execution of the program:

```
parallels@ubuntu-linux-22-04-desktop:~/Repos/csc415-assignment-1-command-li
ne-mkim797$ ./Kim_Mark_HW1_main Hello, these are overridden options 2 4 6 8
 10

There were 11 arguments on the command line.
Argument 00:    ./Kim_Mark_HW1_main
Argument 01:    Hello,
Argument 02:    these
Argument 03:    are
Argument 04:    overridden
Argument 05:    options
Argument 06:    2
Argument 07:    4
Argument 08:    6
Argument 09:    8
Argument 10:    10
parallels@ubuntu-linux-22-04-desktop:~/Repos/csc415-assignment-1-command-li
ne-mkim797$
```