

## 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:

Since I already have Ubuntu on my device, I did not have to install anything. First, I cloned my repository from GitHub using my VS Code. I then created my .c file using VS Code, and I pushed my changes to github. After that, I open my cloned repository in my Ubuntu, then I was able to run the commands.

I first started running 'make' command. It did not have any problems.

I then tried running 'make run', which also went successfully.

Lastly, I tried the last command 'make run RUNOPTIONS="Hello, these are overridden options 3 6 9"', I didn't have any problems.

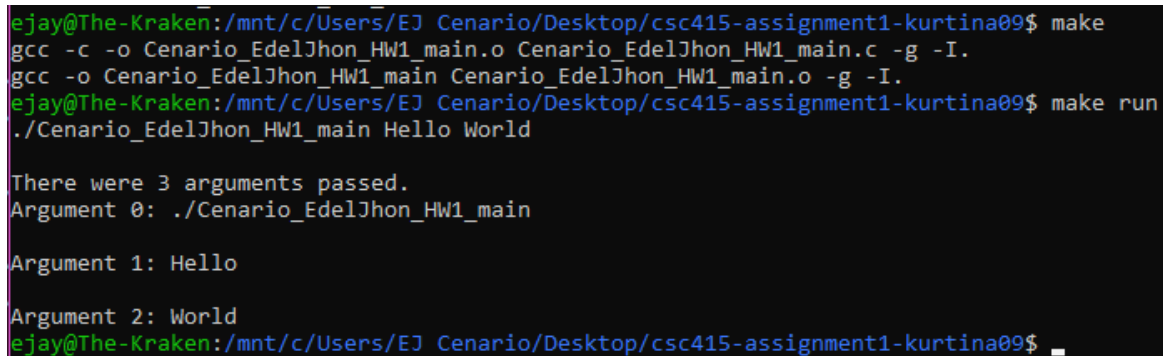
### Issues and Resolutions:

My first issue was I didn't know where to start at all.

But after watching the recorded video, everything went smoothly, and I was able to finish the assignment with no problem. I did have to review the video over and over again until it makes sense to me.

**Analysis:** (If required for the assignment)

### Screen shot of compilation:



```
ejay@The-Kraken:/mnt/c/Users/EJ Cenario/Desktop/csc415-assignment1-kurtina09$ make
gcc -c -o Cenario_EdelJhon_HW1_main.o Cenario_EdelJhon_HW1_main.c -g -I.
gcc -o Cenario_EdelJhon_HW1_main Cenario_EdelJhon_HW1_main.o -g -I.
ejay@The-Kraken:/mnt/c/Users/EJ Cenario/Desktop/csc415-assignment1-kurtina09$ make run
./Cenario_EdelJhon_HW1_main Hello World

There were 3 arguments passed.
Argument 0: ./Cenario_EdelJhon_HW1_main
Argument 1: Hello
Argument 2: World
ejay@The-Kraken:/mnt/c/Users/EJ Cenario/Desktop/csc415-assignment1-kurtina09$ _
```

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

```
ejay@The-Kraken:/mnt/c/Users/EJ_Cenario/Desktop/csc415-assignment1-kurtina09$ make run RUNOPTIONS="Hello there, this is a test!"  
./Cenario_EdelJhon_HW1_main Hello there, this is a test!  
  
There were 7 arguments passed.  
Argument 0: ./Cenario_EdelJhon_HW1_main  
  
Argument 1: Hello  
  
Argument 2: there,  
  
Argument 3: this  
  
Argument 4: is  
  
Argument 5: a  
  
Argument 6: test!  
ejay@The-Kraken:/mnt/c/Users/EJ_Cenario/Desktop/csc415-assignment1-kurtina09$
```

```
ejay@The-Kraken:/mnt/c/Users/EJ_Cenario/Desktop/csc415-assignment1-kurtina09$ make run RUNOPTIONS="Hello, these are overridden options 3 6 9"  
./Cenario_EdelJhon_HW1_main Hello, these are overridden options 3 6 9  
  
There were 9 arguments passed.  
Argument 0: ./Cenario_EdelJhon_HW1_main  
  
Argument 1: Hello,  
  
Argument 2: these  
  
Argument 3: are  
  
Argument 4: overridden  
  
Argument 5: options  
  
Argument 6: 3  
  
Argument 7: 6  
  
Argument 8: 9  
ejay@The-Kraken:/mnt/c/Users/EJ_Cenario/Desktop/csc415-assignment1-kurtina09$
```

```
ejay@The-Kraken:/mnt/c/Users/EJ_Cenario/Desktop/csc415-assignment1-kurtina09$ make run RUNOPTIONS="Everything I type here should be ok"  
./Cenario_EdelJhon_HW1_main Everything I type here should be ok  
  
There were 8 arguments passed.  
Argument 0: ./Cenario_EdelJhon_HW1_main  
  
Argument 1: Everything  
  
Argument 2: I  
  
Argument 3: type  
  
Argument 4: here  
  
Argument 5: should  
  
Argument 6: be  
  
Argument 7: ok
```