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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 Virtual Box and the Ubuntu Virtual machine, I went ahead and pulled the repo according to the instructions provided.

Breaking down the what was needed to complete the assignment I identified the following:
• We needed to read a variable that contained the number of command line arguments (argc)
• We need a for loop to iterate through the arguments (argv[])

Identifying these requirements made completing the assignment possible.

Issues and Resolutions:

My first issue was not knowing about argc and *argv[] in general due to a lack of knowledge of C.

I resolved it by doing some research into how to write a file in C, allowing me to discover what these two parameters were.

Analysis: (If required for the assignment)

Analysis not specified in the instructions.

Screen shot of compilation:

```
parallels@ubuntu-linux-22-04-desktop:~/Documents/csc415-assignment-1-gojilikeog$ gcc -c -o Galvez_Oscar_HW1_main.o Galvez_Oscar_HW1_main.c -g -I.
parallels@ubuntu-linux-22-04-desktop:~/Documents/csc415-assignment-1-gojilikeog$ gcc -o Galvez_Oscar_HW1_main Galvez_Oscar_HW1_main.o -g -I.
parallels@ubuntu-linux-22-04-desktop:~/Documents/csc415-assignment-1-gojilikeog$
```

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

```
parallels@ubuntu-linux-22-04-desktop:~/Documents/csc415-assignment-1-gojilikeog$ ./Galvez_Oscar_HW1_main Hello, these are overridden options 3 6 9
There were 9 arguments on the command line.
Argument 00:    ./Galvez_Oscar_HW1_main
Argument 01:    Hello,
Argument 02:    these
Argument 03:    are
Argument 04:    overridden
Argument 05:    options
Argument 06:    3
Argument 07:    6
Argument 08:    9
parallels@ubuntu-linux-22-04-desktop:~/Documents/csc415-assignment-1-gojilikeog$
```