Daryl Stronge
Github: DSnoNintendo
ID: 917844673
CSC415.01 Operating Systems

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:
I was able to break down my approach into steps.

My first step was to write a main function with arguments indicating a list of arguments and the number of arguments. I was able to learn how to do this using online resources.

My next step was printing the number of arguments. In order to do this I had to learn how to use string formatting in C.

After this, a for-loop was necessary to loop over the contents of the given list of arguments, and print each argument using string delimiters.

Issues and Resolutions:

My first issue occurred when I was unable to import “stdio.h.” Luckily, Visual Studio Code has tool tips to quickly configure an import path.

My second issue occurred was raised when each of my print statements wrote outputs to the same line. I was able to fix this using “\n” at the end of each print statement

Screen shot of compilation:

```
student@student:~/csc415-assignment-1-commandline-DSnoNintendo$ make
gcc -c -o stronge_daryl_HW1_main.o stronge_daryl_HW1_main.c -g -I.
gcc -o stronge_daryl_HW1_main stronge_daryl_HW1_main.o -g -I.
```

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

```
student@student:~/csc415-assignment-1-commandline-DSnoNintendo$ ./stronge_daryl_
HW1_main Hello, these are overridden options 3 6 9
There were 9 arguments on the command line
Argument 0:    ./stronge_daryl_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
```