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CSC415 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:
Step1) include <stdio.h>
Step2) write the main function with arguments (`int argc, char* argv[]`)
Step3) print how many arguments are entered.
Step4) Prints the elements of the array `argv[]` in order.

Issues and Resolutions:
There are no issues here. Because it is a very simple algorithm and function.

Analysis: .

Screen shot of compilation:

```
student@student:~/CSC415/csc415-assignment-1-jung-hyeon$ make
gcc -c -o Park_Haley_HW1_main.o Park_Haley_HW1_main.c -g -I.
gcc -o Park_Haley_HW1_main Park_Haley_HW1_main.o -g -I.
```

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

```
student@student:~/CSC415/csc415-assignment-1-jung-hyeon$ make run RUNOPTIONS="Hello, these are overridden options 3 6 9"
./Park_Haley_HW1_main Hello, these are overridden options 3 6 9
There were 9 arguments on the command line.
Argument 0:     ./Park_Haley_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
```