

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:

From previous work, I remember I can use “touch filename.type” to make a new file, so the first thing I did was writing a C code. After I use “touch” command, I used “nano” statement to open the file, then write down the code. After that, I used “nano” command to edit “Makefile” then filled in my “LASTNAME”, “FIRSTNAME”, and homework(assignment) number.

Issues and Resolutions:

My first issue was writing the code. I have written code in C in another IDE, but they had basic things such as #include <stdio.h>, which I forgot to write.

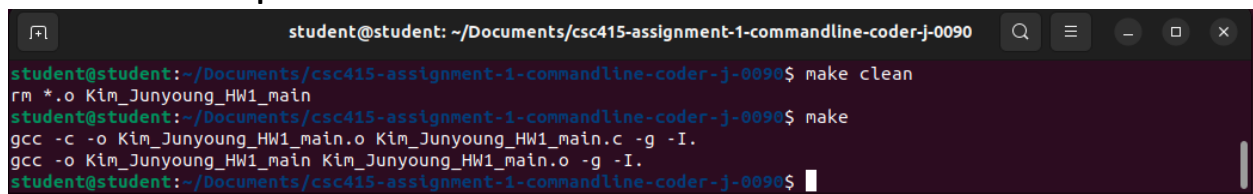
I resolved it by reading the error message in detail and realized I forgot to add “#include <stdio.h>”. To prevent further issues, I checked the online C compiler to see if I forgot anything, and I didn’t. So, I ran the program again, and it worked.

My second issue was the error message kept telling me about an issue related to dependency dropped.

I resolved it by deleting the whole file and re-downloading everything and making sure the name is saved in the right format, then the issue was resolved.


Analysis: N/A

Screen shot of compilation:

A terminal window with a dark background and light green text. The window title is "student@student: ~/Documents/csc415-assignment-1-commandline-coder-j-0090". The terminal shows the following commands and output:

```
student@student:~/Documents/csc415-assignment-1-commandline-coder-j-0090$ make clean
rm *.o Kim_Junyoung_HW1_main
student@student:~/Documents/csc415-assignment-1-commandline-coder-j-0090$ make
gcc -c -o Kim_Junyoung_HW1_main.o Kim_Junyoung_HW1_main.c -g -I.
gcc -o Kim_Junyoung_HW1_main Kim_Junyoung_HW1_main.o -g -I.
student@student:~/Documents/csc415-assignment-1-commandline-coder-j-0090$
```

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

A terminal window with a dark background and light green text. The window title is "student@student: ~/Documents/csc415-assignment-1-commandline-coder-j-0090". The terminal shows the following sequence of commands and output:

```
student@student:~$ cd Documents
student@student:~/Documents$ cd csc415-assignment-1-commandline-coder-j-0090/
student@student:~/Documents/csc415-assignment-1-commandline-coder-j-0090$ make run RUNOPTIONS="Hello, these are overridden options 3 6 9"
./Kim_Junyoung_HW1_main Hello, these are overridden options 3 6 9
There were 9 arguments on the command line.
Argument 00: ./Kim_Junyoung_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
student@student:~/Documents/csc415-assignment-1-commandline-coder-j-0090$
```