

Lab02

Deadline: 11:59PM Jan 13

Requirements

lab1.c skeleton file is created for you. Write a function that prints out a multiplication table for numbers starting from 0 to n . The signature of the function is:

```
void printMultiplicationTable(int n)
```

1. A sample output format with input 2 is presented below, but use any form of loop to do this

```
>> ./a.out 2
X    0    1    2
0    0    0    0
1    0    1    2
2    0    2    4
```
2. Note that you are getting the value n from the command line argument
3. The maximum value of n will be 8
4. You will implement the `main` function
5. The print of the multiplication table occurs inside `printMultiplicationTable` function

Some Useful Guides

- We will use github extensively. Please review github basics here: <https://github.com/git-guides>
- Basic Linux commands: <https://ubuntu.com/tutorials/command-line-for-beginners#1-overview>

Restrictions

- Do **NOT** modify `main` and `printMultiplicationTable` function signatures
- Only use standard libraries listed in Learning Hub
- Only `<executable> n` will be used to run your program.

Grading

Any grading failure due to function signature change will result in 0. For full marks this week, you must:

- (1 point) Correctly use git/GitHub and the repository following the lab handout
- (1 point) Generate a correct solution to the problem(s) in this lab
- (1 point) Correctly format outputs

Submission Files

- You must deliver only one .c file named: **lab1.c**
- The file that you send should be a .c file (not .txt, not .cpp or any other type)
- lab1.c (do not capitalize)
- AXXX.txt (empty file, but with your A number as file name)
- Only push these two files, no other files

- Github: <https://classroom.github.com/a/MTNe7It1>