# Lab Assignment Week 03

*CSC 3320 – System-level Programming*

*Week of January 22nd, 2024*

## Introduction

Welcome to the second programming lab of CSC 3320! Today we will be covering the following topics:

1. Basic C Programming
   - Variables
   - Basic I/O

## Lab Policies

- Attendance is mandatory.
- Labs must be completed **individually.**
- TAs are here to help you. Ask them for help!
- Lab assignments are due at midnight on the day of your lab.

## Deliverables:

1. The C Code for your program. (.c file).
2. A screenshot of the output in the Terminal.

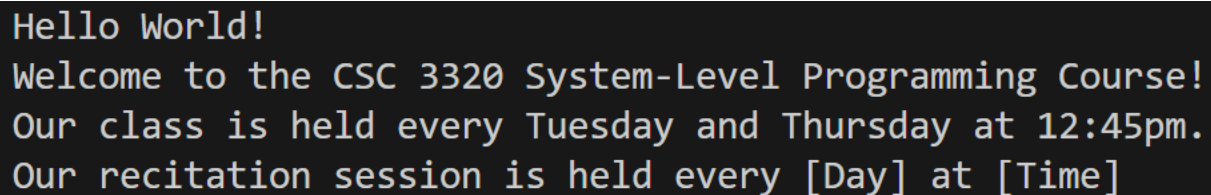If you have any questions, please do not hesitate to ask your TA.

# Your First C Program

For your first program in C, you will need to write a *Hello World* program. This program will display the phrase Hello World! into the terminal when it is executed as well as information about the 3320 course. You will use printf() function included in the C standard I/O libaray, **stdio** . The printf() function will display any message surrounded by quotes you type in between its parenthesis. When you execute/run your program, the message will appear in the terminal.

Note: Your program will be graded based on whether it works correctly on Snowball, so you should make sure that your program compiles and runs on Snowball.

## Example Output

Your program's output in the terminal should look like the image below.

```
Hello World!
Welcome to the CSC 3320 System-Level Programming Course!
Our class is held every Tuesday and Thursday at 12:45pm.
Our recitation session is held every [Day] at [Time]
```

## Skills Covered

- Displaying output on the Terminal/Console

## Deliverables

For this program you will need to provide the C file containing your code as well as a screenshot of the output of your program. Please name your files as follows:

- Python Files
  - lastname_firstname_filename.py
  - For example: **hawamdeh_faris_hello_world.c**
- Screenshots
  - lastname_firstname_filename.png
  - For example: **hawamdeh_faris_hello_world.png**