

CS2413: Data Structures
Fall 2021

Lab Assignment #1

- Name only: _____
- Release date: Aug 31st, 2021 (Tuesday)
- Due date: Sep 2nd, 2021 (Thursday) 11:59 PM
- It should be done INDIVIDUALLY; Show ALL your work; and please turn-in your codes through Blackboard.
- The code should be in the same file in .cpp format. You can have different functions for different question. Do not compress/zip your submission.
- Total: 20 pts

1. Write a C++ Program to print "Hello, World!".

[2 pts]

2. Write a C++ Program to take two numeric user inputs and calculate and print the average of those two numbers.

[3 pts]

3. Write a C++ code to find the sum of the series 0, 1, 2, ..., n. Where n should be given by the user.

[5 pts]

4. Write a C++ function to calculate factorial of a user given integer. Call the function from within main(). And print the factorial.

[5 pts]

5. Write a C++ code to ask for 5 user inputs and store it in an array and print the sum of the array elements.

[5 pts]