Lab 12 *(Due: Jun 09)*
C++ Programming - COSC 2321

Department of Computer Science and Electrical Engineering

Summer Session I, 2022

Exercises
*Create a **New Project** for every exercise. Take a screenshot of the source code along with its output and place the **source code** and the **screenshot** in a **zipped folder** named **LastNameFirstName_Lab12***

Exercise 1
Based on Lab 11, Ex. 3, use a **pointer** to point to your object and call setter and getter functions using the pointer

Exercise 2
Similarly to Ex. 1 above, create a dynamically allocated object

Exercise 3
Similarly to Ex. 2 above, use a **smart pointer**

Exercise 4
Based on Lab 11, Ex. 3, create an array of 3 objects (not dynamic) and use the **pointer** (not a smart pointer) to call setter and getter functions
Note 1: Create one loop for calling setter functions and a another one for calling getter functions
Note 2: You may have to use **cin.ignore();**
Note 3: Create a constructor and a destructor function and add a message in each one of the functions

Exercise 5
Based on Lab 11, Ex. 3, create 3 objects by overloading the constructor function thrice; make use of a **default** constructor. Assign values to the **private** members by passing parameters to the constructor functions (do not use *setters* in this exercise)

Note: Submit through **Canvas**