

Lab 10 (*Due: Jun 07*)

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_Lab10**

Exercise 1

Create a **class** named *Student* with three **private** members, namely, **int ID**, **double GPA**, **string Major**. Define three *setter* and three *getter* functions to write to as well as to read values from the private members, respectively

Exercise 2

Similarly to Ex. 1, use a pointer to access *setter* and *getter* functions

Exercise 3

Create a *Class* named *Points* that has two **int private** members, namely, **x**, **y**. Create two instances of the class, namely **p1**, **p2**. Ask user to enter values into the **private** members using one *setter* and two *getter* functions. Find the Euclidean distance between the two points and print

Exercise 4

Based on Ex. 3, create two **pointers** to point to **p1**, **p2**. Use **pointers** to call *setter* and *getter* functions

Note: Submit through **Canvas**