Lab 15 *(Due: Jun 16)*
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_Lab15***

Exercise 1

Given the code below create a *Class* named **Test** that overloads the **++ operator**. When you instantiate an object assign a value to the private member *int count*. Therefore, when you overload *++ operator* (*++t;*), *count* should be incremented

```
int main()
{
    Test t;
    ++t;
    t.showIncrementedValue();
    return 0;
}
```

Exercise 2

Given a class *Student* class with a private member *double GPA*. Create **two** objects out of this class and **overload** the **>** relational operator. Return **true** if the **lhs** is greater than or equal to the **rhs** otherwise return **false**. Print a message in either case

Exercise 3

Given a class *Student* class with a private member: int ID[5] = {10, 20, 30, 40, 50};. Create a single object and overload the **[] operator**. Therefore, when you say: *cout* $<<$ *St*[0] it should print the ID of the respective student

Note: Submit through **Canvas**