

## CS 12 - Lab 7

# Complex Classes and Operator Overloading

Use your SSN class from last lab. You must use separate files and a makefile. Be sure to include all necessary information at the top of each file and use good commenting and style throughout your program.

Write a class that maintains information about a student. You should have the following data members.

**Name** This should be able to hold both the student's first and last name.

**GPA** Maintain the grade point average of the student.

**SSN** Use your class from last lab.

You should have the following function members.

**Set** Set each of the data members.

**Print** Overload the insertion operator to print the data members of the student class. You will need to overload the insertion operator for your SSN class also.

Now write a short main program that declares an object of type *student* and allows the user to continue setting and printing this object until they desire to stop.

Use the functions of your SSN class where possible.