

# [DEVRY COMP 220 iLab 6 Overloaded Operators Lab Report and Source Code](#)

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## **Assignment: Lab 6 Overloaded Operators**

**Description:** This lab is to introduce students to the concept of operator overloading as member functions of a class. This will be done in the context of creating a class that will perform four basic mathematical operations on complex numbers.

The C++ compiler has defined operators for all the arithmetic and assignment operations for its native data types, such as integer, float, double, and so forth. However, for user-defined data types, such as classes and structures, these operations are undefined.

**C++ allows the programmer to create new definitions for these operators so that they can operate specifically on these user-defined data types. Which set of operators is actually called and implemented is decided during the compilation, and it is based on the data types of the operands involved in the operation.**

**The ability to define a new set of data-type, dependent operations on existing operators, or functions, is called operator overloading.**