**CIS 2275 C++Programming Part 2**

**Program 7 Overloading Operators in the Date Class**

**Modification of Program 5 100 pts**

**Turn In Requirements:**

1. **5 pts Name your Visual C++ 2015 project LastnameP7, such as NelsonP7.**
2. **5 pts Upload your project to Visual Studio Online.**
3. **5 pts If you upload to Blackboard, remove BOTH debug/x64 folders and the .sdf/Browse.VC.db files from your project before uploading it to Blackboard.**

**Program Requirements:**

1. **3 pts Write your name, email address and file name at the top of your source code in a comment.**
2. **5 pts Your main function should have cout statements that write “header” information to the screen. The header info includes your name, course and program information, as well as a 1-2 line description of the program.**
3. **5 pts. Use good C++ programming style and formatting for your program. Use appropriate comments to explain what you are doing.**

**Reading assignment: pages 412-418 and 427-433 in the book.**

Modify your already working Program 5, the C++ HotelRes class, to work with overloaded operators in the Date class. The Date class operators >, < and – will be overloaded so they may be used with data objects in the C++HotelRes class.

Add these methods to the Date class:

bool Date:: operator > (const Date d1); //checks it Date d is after (in time) Date d1

bool Date:: operator < (const Date d1); // checks it Date d is before (in time) Date d1

bool operator == (const Date d1); // checks it Date d is the same date as (in time) Date d1

int Date:: operator – (const Date d1) const; // calculates the number of days between Date d and Date d1

Modify your code in the HotelRes class to reflect the use of these overloaded operators.