

**MCA Semester-II**  
**Subject: Advanced Programming Technique-I [C++]**

**Practical Laboratory - 6**

**Topic/Unit: Operator Overloading**

Sr.	Write?	Task
1		Develop a C++ program to overload following operators on <code>Integer</code> class: ++ prefix, ++ postfix, -- prefix, -- postfix, - (unary)
2	*	Develop a C++ program to overload following operators on <code>Vector</code> class: ++ prefix, ++ postfix, -- prefix, -- postfix, - (negate Vector elements)
3		Develop a C++ program to overload following operators on <code>Matrix</code> class: ++ prefix, ++ postfix, -- prefix, -- postfix, - (negate Matrix elements)
4	*	Develop a C++ program to overload following operators on <code>Date</code> class: ++ prefix, ++ postfix, -- prefix, -- postfix
5		Develop a C++ program to overload following operators on <code>String</code> class: <ul style="list-style-type: none"> <li>- ++ (convert string to upper case)</li> <li>- -- (convert string to lower case)</li> <li>- - (convert string to reverse case)</li> </ul>
6		Overload binary + and - operators on <code>Integer</code> class.
7	*	Overload binary +, - and * operators on <code>Matrix</code> class.
8	*	Overload binary + operator on <code>String</code> class.
9	*	Using friend concept, overload binary +, -, >, <=, ==, != operators on <code>Date</code> class.
10	*	Overload binary == and != operators on <code>String</code> class.
11	*	Overload << and >> operators on <code>Integer</code> and <code>String</code> class.
		More programs to come soon..