

Assignment 5

Q.A. Answer the following questions in one or two lines :

1. What is operator overloading ?
2. List the C++ operators that can not be overloaded.
3. Write rules for operator overloading .
4. How many explicit operators are required if binary operator is overloaded using friend fuction.
5. List the operators which can not be overloaded using friend function.
6. List the operators which should be overloaded using friend function.
7. List the operators which should be overloaded member function.
8. A destructor can be overloaded. State true / false.
9. Write syntax to declare member operator function and non-member operator function.
10. Write syntax to declare member operator function to overload post increment operator.

Q.B. Answer the following questions :

1. Write a program using operator overloading to overload the << and >> operators for class Date. The data members of Date class are DD , MM , YY. Write necessary constructors.
2. Define a class String . Use overload the following operators : == , < , +
3. Explain how the operator function is invoked if defined as a) Member Function b) Friend Function
4. Write a program to represent an integer matrix of different dimensions. Overload + , - operators to perform matrix operations.
5. Define class integer having one int data member. Overload the following operators :
 - a) ++ (pre and post)
 - b) – (unary and binary)