C# Assignments SunBeam Infotech

Assignment No. – 3 on Reflection and Attributes

A.

- 1. Create new class library project with name **MathsLib** and create following classe in this library
 - a. Create a Maths class define Sum, Subtract, Multiply, Divide methods.
- 2. Create new console application and write menu driven program to load MathsLib assembly and invoke methods to perform arithmetic operations using Reflection

B.

- 3. Design basic ORM program by reflection to write SQL statements in file
 - a. AttributesLib class library project contains following custom attributes
 - i. DataTable
 - ii. DataColumn
 - iii. KeyColumn
 - iv. UnMapped
 - b. EntityLib class library project contains two classes
 - i. Employee EmpNo, Name, Address, Salary, AnnualSalary and Designation
 - ii. Student RollNo, Name, Address, Course
 - c. **ORM** console application to perform following tasks:
 - i. Get the object's property array
 - ii. Remove the unmapped fields of the data table
 - iii. Prepare SQL statement if class is marked as Serialized
 - iv. Write sql statement