
Assignment No. – 4 on Reflection and Attributes

- A.
1. Create new class library project with name **MathsLib** and create following classes 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
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