**1050 Programming Logic**Lab 09 (23 points total)

1. Create a project called Lab09.

2. Create a class called MyMath. Implement the following properties and methods:

|  |
| --- |
| **MyMath** |
| double result  double operand1  double operand2 |
| public double Add (double operand1, double operand2)  public double Multiply (double operand1, double operand2)  public double Subtract (double operand1, double operand2)  public double Divide (double operand1, double operand2) |

3. Create an object of type MyMath in Program.cs and call each of your methods to test them.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace \_1050\_lesson7Methods\_MeganOstrander

{

   class MyMath

   {

      static void Main(string[] args)

      {

         //obtain user input and convert to double variable

         Console.WriteLine("Enter the value of the first number: ");

         double operand1 = Convert.ToDouble(Console.ReadLine());

         Console.WriteLine("Enter the value of the second number: ");

         double operand2 = Convert.ToDouble(Console.ReadLine());

         //Tells result variables to expect return value from methods "Add, Subtract, Multiply, Divide" using two variables

         double resultAdd = Add(operand1, operand2);

         double resultMultiply = Multiply(operand1, operand2);

         double resultSubtract = Subtract(operand1, operand2);

         double resultDivide = Divide(operand1, operand2);

         //Displays all results for numbers inputed

         Console.WriteLine("The first number (" + operand1 + ") + the second number (" + operand2 + ") = " + resultAdd);

         Console.WriteLine("The first number (" + operand1 + ") X the second number (" + operand2 + ") = " + resultMultiply);

         Console.WriteLine("The first number (" + operand1 + ") - the second number (" + operand2 + ") = " + resultSubtract);

         Console.WriteLine("The first number (" + operand1 + ") / the second number (" + operand2 + ") = " + resultDivide);

         Console.ReadLine(); //Added to pause program to display results.

      }

      //Method for adding variables

      //must specify input type (i.e. double) to wok properly!

      static double Add(double operand1, double operand2)

      {

         return operand1 + operand2;

      }

      //Method for multiplying variables

      static double Multiply(double operand1, double operand2)

      {

         return operand1 \* operand2;

      }

      //Method for subtracting variables

      static double Subtract(double operand1, double operand2)

      {

         return operand1 - operand2;

      }

      //Method for dividing variables

      static double Divide(double operand1, double operand2)

      {

         return operand1 / operand2;

      }

   }

}

