Task Performance
Private Assemblies

Objectives:

At the end of the exercise, the students should be able to:

- Determine the purpose of assemblies; and
- Create and use assemblies.

Software Requirement:

- Visual Studio Community 2015 or higher

Instructions:

1. Create a program named **`BasicCalculator`**. The program should only have one (1) Windows form named **`FrmBasicCalculator`**. See *Figure 1* for the sample design of the form.

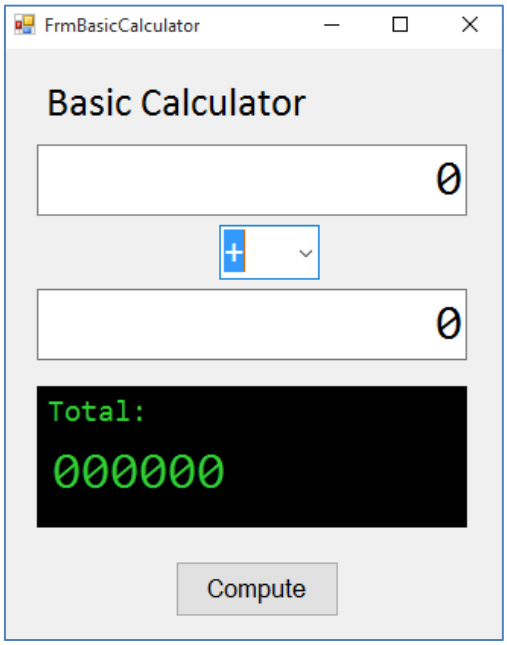


Figure 1. FrmBasicCalculator

2. Navigate on the **Solution Explorer** and create another project file for a private assembly named **`CalculatorPrivateAssembly`**.
3. Rename **`Class1`** to **`BasicComputation`**. After that, create four (4) static methods that return the results of Addition, Subtraction, Multiplication, and Division, wherein the data type is a **`float`** data type.
4. Build your private assembly.
5. Go to your **`FrmBasicCalculator`** and reference the created private assembly.
6. Import the private assembly in the class of **`FrmBasicCalculator`** and call all the methods to display the expected output.

7. Your program should be able to add, subtract, multiply, and divide. See *Table 1* for sample output.

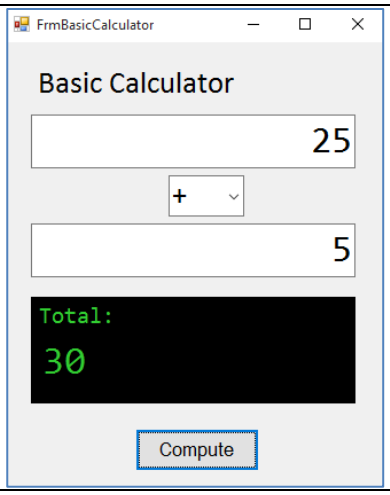
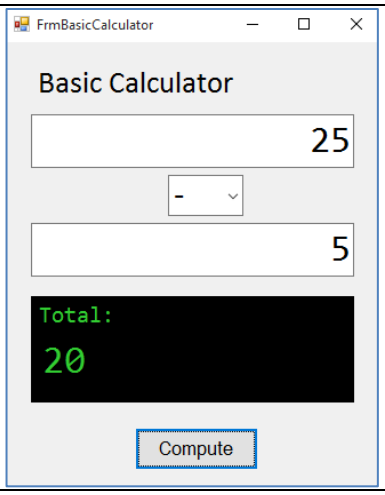
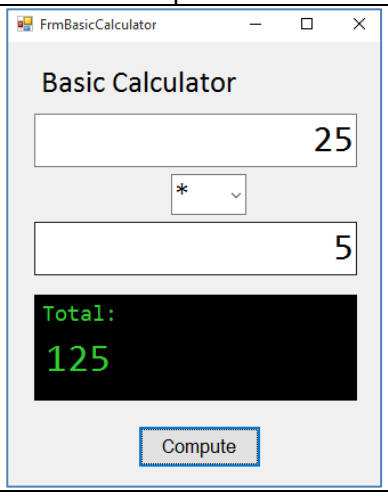
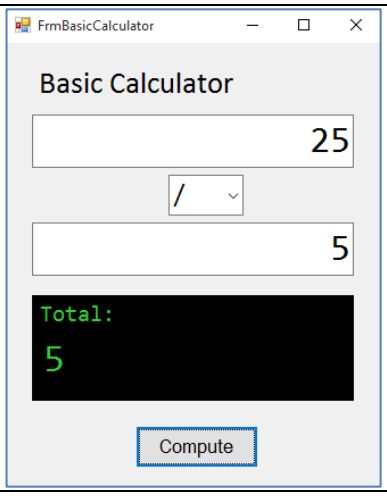
Addition	Subtraction
	
Multiplication	**Division**
	

Table 1. Private Assembly Program Output