

Lab: Testing a Program

Instructions

1. Create a project named **BasicMath**.
2. Add a class named **BasicMath** that includes four methods:
 - add
 - subtract
 - divide
 - multiply
3. Ensure that each method takes two double arguments and returns the corresponding operation result.
4. Create another project, for testing, and link it to the first project.
5. Write test cases that test all four methods to ensure they work as expected.

The expected test run should appear as follows:

Test	Duration	Traits	E...
▲ ✓ BasicMathTest (5)	40 ms		
▲ ✓ BasicMathTest (5)	40 ms		
▲ ✓ Tests (5)	40 ms		
✓ Test_AddMethod	14 ms		
✓ Test_DivideMet...	< 1 ms		
✓ Test_MultiplyM...	< 1 ms		
✓ Test_Subtract...	< 1 ms		
✓ Test1	26 ms		

Figure 1: Expected Test Results

Used with permission from Microsoft.