Assignment 3 - Basic unit test (individual assignment)

Part #1 (5 points)

With the use of simple C# as well as NUnit testing framework, create test cases to
Check if the provided classes work properly. Each class represents a different geometrical figure,
Based on the sample tests attached to the project, create the rest of the necessary unit tests to make sure all of the classes are properly verified for their validity.

Code file are attached to the assignment (Part one.zip)

Part #2 (5 points)

Based on the knowledge from the first part of the tutorial, create a new C# project. It should include only one class (Calculator.cs) and a Program.cs file where the behavior of said calculator is presented. Your calculator should accept only three variables when being instantiated: variable A, variable B, and the arithmetic operation to be executed [+, -, *, /]. Using NUnit, write test cases to verify the functionality of your calculator. Create as many test cases as you can think of - try to also include scenarios that go beyond invalid calculations (e.g. division by zero, ...).

You are allowed to use java or python to complete this assignment. However, in such a case, make sure to send the recreated files for the first part along with the tests.

Only send github repository of your solution or the cs. Files (or the equivalent file for the language of your choice)

DO NOT SEND ZIP FILES