

StringCalculator kata

Kata Steps:

1. Create a String calculator with a method `int Add(string numbers)`
 - a. The method can take 0, 1, or 2 numbers and will return their sum.
 - b. Example inputs: "", "1", or "1,2"
 - c. Start with the simplest test case of an empty string. Then 1 number. Then 2 numbers.
 - d. Remember to refactor after each passing test.
2. Allow the Add method to handle an unknown number of arguments/numbers.
3. Allow the Add method to handle new lines between numbers (instead of commas).
 - a. Example: "1\n2,3" should return 6.
 - b. Example: "1,\n" is invalid, but you don't need a test for this case.
 - c. Only test correct inputs – there is no need to deal with invalid inputs for this kata.
4. Allow the Add method to handle a different delimiter:
 - a. To change the delimiter, the beginning of the string will contain a separate line that looks like this: "[delimiter]\n[numbers]"
 - b. Example: "//;\n1;2" should return 3 (the delimiter is ;)
 - c.
 - d. This first line is optional; all existing scenarios (using , or \n) should work as before.
5. Calling Add with a negative number will throw an exception "Negatives not allowed: "listing all negative numbers that were in the list of numbers".
 - a. Example "-1,2" throws "Negatives not allowed: -1"
 - b. Example "2,-4,3,-5" throws "Negatives not allowed: -4,-5"
6. Numbers bigger than 1000 should be ignored.
 - a. Example: "1001,2" returns 2