

String Calculator Kata

Instructions

This kata is designed to help you learn test-first coding and refactoring. To that end, try not to read ahead or guess what the next requirements might be. Work incrementally, and complete as many steps as you can in a 30 minute period. Continue trying the kata from scratch, until you can complete it entirely within 30 minutes.

Steps

1. Create a StringCalculator with a method Add(string numbers) that returns an integer.
 - i. Start with the simplest test case of an empty string, then 1 number, then 2.
 - ii. Solve things as simply as possible!
 - iii. An empty string should return a sum of 0.
 - iv. *numbers* can include 0, 1, or 2 integers (e.g. "", "1", "1,2").
 - v. Add returns the sum of the integers provided in the string *numbers*.
 - vi. Remember to refactor after each test.

1. An empty string returns zero
2. A single number returns the value
3. Two numbers, comma delimited, returns the sum
4. Two numbers, newline delimited, returns the sum
5. Three numbers, delimited either way, returns the sum
6. Negative numbers throw an exception
7. Numbers greater than 1000 are ignored
8. A single char delimiter can be defined on the first line (e.g. `//#` for a `#` as the delimiter)
9. A multi char delimiter can be defined on the first line (e.g. `//[####]` for `####` as the delimiter)
10. Many single or multi-char delimiters can be defined (each wrapped in square brackets)

