

## Description:

### String Calculator Kata (via Roy Osherove)

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- Create a simple String calculator with a method `int Add(string numbers)`. The method can take 0, 1 or 2 numbers, and will return their sum (for an empty string it will return 0). For example "" or "1" or "1,2"
  - Start with the simplest test case of an empty string and move to 1 and two numbers
  - Remember to solve things as simply as possible so that you force yourself to write tests you did not think about
  - Remember to refactor after each passing test
- Allow the Add method to handle an unknown amount of numbers
- Allow the Add method to handle new lines between numbers (instead of commas).
  - the following input is ok: "1\n2,3" (will equal 6)
  - the following input is NOT ok: "1,\n" (not need to prove it - just clarifying)
- Support different delimiters. To change a delimiter, the beginning of the string will contain a separate line that looks like this: `[delimiter]\n[numbers...]`, for example `;\n1;2` should return three where the default delimiter is `;`.
  - the first line is optional. all existing scenarios should still be supported
- Calling Add with a negative number will throw an exception "negatives not allowed" - and the negative that was passed.
  - if there are multiple negatives, show all of them in the exception message

## Tasks:

1. calculate empty string:
  - a. input "", return 0
  - b. input null, return 0
2. calculate 1 number string
  - a. input "1", return 1;

- b. input "-1", return -1;
  - c. input "123", return 123;
- 3. calculate 2 numbers string
  - a. input "1,2", return 3
  - b. input "-1,-2", return -3
  - c. input "123,-1", return 122