

# Requirements

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"
- 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)
- 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 stop here if you are a beginner.
- Numbers bigger than 1000 should be ignored, so adding 2 + 1001 = 2
- Delimiters can be of any length with the following format: "[delimiter]\n" for example: "[—]\n1—2—3" should return 6
- Allow multiple delimiters like this: "[delim1][delim2]\n" for example "[[-]\n1-2%3" should return 6.
- Make sure you can also handle multiple delimiters with length longer than one char

## Step By Step Requirement:

**Requirement 1:** The method can take 0, 1 or 2 numbers separated by comma (,).

**Requirement 2:** For an empty string the method will return 0

**Requirement 3:** Method will return their sum of numbers

**Requirement 4:** Allow the Add method to handle an unknown amount of numbers

**Requirement 5:** Allow the Add method to handle new lines between numbers (instead of commas).

**Requirement 6:** Support different delimiters

**Requirement 7:** Negative numbers will throw an exception

**Requirement 8:** Numbers bigger than 1000 should be ignored

**Requirement 9:** Delimiters can be of any length

**Requirement 10:** Allow multiple delimiters