

Empik FutureStars - Dev task

Create a simple microservice with a single HTTP endpoint performing the logic below.

Implement as many steps as you can. Remember that there can be multiple instances of the microservice deployed.

Requirements:

- Java/Kotlin

Solution should be pushed into Github/Bitbucket/Gitlab public repository.

Logic

Step 1

```
int Add(String numbers)
```

The method can take up to two numbers, separated by commas, and will return their sum. For example "" or "1" or "1,2" as inputs. (for an empty string it will return 0) .

Step 2

Allow the Add method to handle an unknown amount of numbers.

Step 3

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`

Step 4

Support different delimiters. In order 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.

Step 5

Calling Add with a negative number will return response "negatives not allowed" - and the negative that was passed. If there are multiple negatives, show all of them in the response.

Step 6

Numbers bigger than 1000 should be ignored, so adding $2 + 1001 = 2$.

Step 7

Delimiters can be of any length with the following format: `//[delimiter]\n` for example: `//[***]\n1***2***3` should return 6.

Step 8

Allow multiple delimiters like this: `//[delim1][delim2]\n` for example `//[*][%]\n1*2%3` should return 6.

Step 9

Make sure you can also handle multiple delimiters with length longer than one char.

Step 10

Apart from the result of the calculation, return the number of times this result was returned.