

Hello **AND** Welcome

BOOTCAMP KATA

AND Digital

Try not to read ahead.

Do **one** task **at a time**. The trick is to learn to work incrementally.

Make sure you only test for **correct inputs**.

There is **no need to test for invalid inputs** for this kata

```
git clone git@github.com:ANDigital/anddigital-bootcamp-kata-skeleton.git
```

The screenshot shows the GitHub interface for the repository `ANDigital / anddigital-bootcamp-kata-skeleton`. The repository is private and has 51 watches, 1 star, and 0 forks. The main navigation bar includes links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Settings, and Insights. The repository description states "No description, website, or topics provided." Below this, it shows 2 commits, 1 branch, 0 releases, and 1 contributor. A yellow progress bar indicates the commit history. The bottom section shows a list of commits, with the latest commit by Paul Pop on May 19, titled "Changed structure", affecting the `JAVA` and `JS` folders. A green button "Add a README" is visible at the bottom right of the commit list.

ANDigital / anddigital-bootcamp-kata-skeleton Private

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No description, website, or topics provided. Edit

Add topics

2 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

Paul Pop Changed structure Latest commit 8d33842 on May 19

JAVA	Changed structure	a month ago
JS	Changed structure	a month ago

Add a README with an overview of your project. Add a README

KATA String Calculator

1. Create a simple String calculator with a method

int Add(string numbers)

- A. 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”
- B. Start with the **simplest test case** of an empty string and move to 1 and two numbers
- C. Remember to solve things **as simply as possible** so that you force yourself to write tests you did not think about
- D. Remember to refactor after each passing test

KATA String Calculator

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

KATA String Calculator

3. Allow the Add method to handle new lines between numbers (instead of commas).

A. the following input is ok: `"1\n2,3"` (will equal 6)

B. the following input is NOT ok: `"1,\n"` (not need to prove it - just clarifying)

KATA String Calculator

4. Support different delimiter

- A. 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 ‘;’ .
- B. the first line is **optional**. All existing scenarios should still be supported

KATA String Calculator

5. 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

KATA String Calculator

6. Numbers bigger than 1000 should be ignored,
so adding $2 + 1001 = 21$