

Calculator

Description

The purpose of this project is to calculate numbers that are given by the user. The user is asked for a **first number** and then a **second number**. Both of these numbers are saved as an integer [variable] (https://www.w3schools.com/java/java_variables.asp) (*n1 and n2*). After that the user is asked about an **operator** (+, -, *, /) that the numbers should be calculated by. This operator is saved as a **string** called *operator*.

If-statements

The if-statements that are implemented in the source code, make sure that the numbers given by the user are calculated correctly.

If there is no valid input by the user for the operator, the following will be printed: > invalid operator, please try again

Installation

To execute this source code, it will be necessary to download the programming language “**Java**”. Furthermore, an editor will be necessary such as “**IntelliJ**” or “**VisualStudioCode**”.

Instruction for the usage

After opening the source code in an editor, configure the source code by typing into the shell: “javac Calculator.java”. Check for error warnings. If there are no error warning continue with “java Calculator”. There shouldn’t be any warnings and the following text will show up > First number:

Here you should type in your first number that you want to use for the calculation. Then press enter and the next line will show up: > Second number:

After pressing enter again, you will be asked for an operator: > Operator:

There you have to enter an operator like the following:

- +
- -
- *
- /

Example

First number: 2 Second number: 3 Operator: + 2 + 3 = 5

Contribution

Instead of using a scanner for this source code, you could also provide the integers and the operator as command line arguments (`String [args]`) in form of .