LU07.A09 - Basic caluclator simple

Prerequisites

- Work type: Individual
- Means of aid: only teaching materials, no websearch, no use of ai.
- Timeframe: 40 Minutes
- Expected result: A browser based calulator which can sum up 2 digits in the easiest way.

Source

- You can take any script an adjust it to your needs.

Assignment

This assignment compraises the programming of a tiny caculator for basic calculation operations, meaning two diggit have to be added together. To do the assignment we need two blocks of diggits-buttons, an operation-button for „+" and finally an ENTER-Button to execute the operation respectively to receive the result.

Assignment A - 3'

- A01: Create in Webstorm in your directory **07_methods** a html file and name it correctly **LU07.S09**.
- A02: Copy the structure of the sfc (single file component) from a solution of your choice (in that way we don't have to type it manually –> easier and faster)
- A03: Make sure to have
  - the assignmen number in <h1> and
  - the description in <h3>-format
- A04: Safe it.

Assignment D - Button for diggit 1 - 10'

- B01: Create the buttons 1 to 4 (that shall suffice for our purpose)
- B02: When clicking on one of them the content will be saved in the variable **diggit1**

Assignment C - Variables - 5'

- C01: A basic calculation **3 + 3 = 6** compraises several variables:
  - diggit1 = 0,

- operator = ''
- diggit2 = 0,
- result

Assignment D - Button for diggit 1 - 10'

- D01: Create the second set of buttons 1 to 4 to set the second diggit. (4 of them shall suffice for our purpose)
- D02: When clicking on one of them the content will be saved in the variable **diggit2**

===== Assignment E

- E01: To execute our addition-operation we finally need a button **ENTER**.
- E02: This enter calls a method calcResult(operator).
- E03: Thus the addition is done in the method, correspondingly to the providet operator.
- E04: As a result, after pressing the enter button, the result should be displayed in the screen.

Solution

[Lösung](#)

Vocabulary

English	German
diggit	Ziffer
to suffice	ausreichen
respectively	beziehungungsweise
to compraise	umfassen
several	einige, etliche