LU07.A09 - Basic caluclator simple

Prerequisites

- Work type: Individual
- Means of aid: only teaching materials, no websearch, no use of ai.
- Timeframe: 45 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 - 7'

- C01: A basic calculation **3** + **3** = **6** compraises several variables and their initial values:
 - diggit1: 0

operator: "diggit2: 0result: 0

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: Implementation of the calculation - 15'

- 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
initial values	Startwerte
to suffice	ausreichen
respectively	beziehungsweise
to compraise	umfassen
several	einige, etliche



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Last update: **2025/05/19 13:20**



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