

JavaScript Calculator

Aim

Please create a working and responsive calculator using HTML, CSS, and JavaScript.

Project Content

Intro to JS

<https://www.youtube.com/watch?v=W6NZfCO5SIk>

JS Eval()

<https://www.youtube.com/watch?v=m-RpWFtIBhQ>

JS DOM manipulation

<https://www.youtube.com/watch?v=y17RuWkWdn8>

JS Event listeners

https://www.youtube.com/watch?v=XF1_MIZ5l6M

https://www.w3schools.com/js/js_events.asp

Constraints

The application must be built with the following requirements:

1. HTML, CSS and JavaScript
2. Bootstrap Icon is optional
3. Numbers 0-9
4. Math Operators (/, *, -, +) An operand must come once after an operand. This is not acceptable $9 ++ 8$
5. For styling, you must make use of CSS.
6. Grid or flex layout
7. Decimal point (.) Can only be displayed once per operand. Such as $9..8$ or $9.8.4$
8. The clear or CE button will be used to clear the output.
9. The equals(=) button will be used to calculate the sum of both operands.
10. On each of the buttons, you will need to attach an onclick event or an event listener. You need to create a div with an ID of the output; that is where the calculation will be shown using DOM manipulation, or an input element with the ID of the output, but it has to be readonly.
11. You will need to create a global variable called sum, which will have a default value of an empty string.

12. You will need to implement the following functions:

- A. `evaluateSum()` which will run the sum using the `eval()` function and update the `#output`
- B. `clearSum()` which will remove all content from `#output`.
- C. Create any other function that you will need to make your calculator functional

The due date for this challenge is Saturday, May 20, 2023. Do not copy calculator tutorials or clone someone else's work. All the necessary information has been provided, and any plagiarism found will result in immediate disqualification.

Please submit both github and netlify links to LMS

Ask questions; the entire team is here for your support,