

**Assignment 10**

**Training Program:** MERN Stack Development

**Trainer:** Ahsan Javed

**Topic:** Events and Event Handling

**Due Date:** August 25, 2024

For this assignment, you will create a simple calculator like you created in **Assignment 04** but by using HTML, CSS, and JavaScript. The calculator should be able to perform basic arithmetic operations (addition, subtraction, multiplication, and division) and handle user inputs via button clicks.

**Task 1: HTML Structure**

Create the structure of the calculator with buttons for digits (0-9), operators (+, -, \*, /), a display screen, and an equals button to calculate the result.

* Create a **div** element for the calculator container.
* Inside the container, add an **input** element for the display screen.
* Add buttons for digits (0-9), operators (+, -, \*, /), a clear button ("C"), and an equals button (=).

**Task 2: CSS Styling**

Style the calculator to make it visually appealing. The layout should be user-friendly, with clear buttons and a readable display.

* Style the calculator container with a fixed width and center it on the page.
* Style each button to be a consistent size, with margins and padding for spacing.

**Task 3: JavaScript Functionality**

* Implement event listeners for each button.
* Capture the clicked button’s value and display it on the screen.
* Handle the logic for performing arithmetic operations when the equal button is clicked.
* Clear the screen when the "C" button is clicked.

**Submission Guidelines**

* Make a ZIP file having HTML, CSS, and JS file in it. Save it as **fname-lname-a-10.zip**, where fname is your first name and lname is your last name.
* Send the file at [ahsanjaved@skilovate.com](mailto:ahsanjaved@skilovate.com) with subject **Assignment 10**.