**Assignment – 2**

**Title: Build a Simple Calculator App**

**Instructions:**

1. Create an HTML page with a calculator layout.
2. Implement the functionality of the calculator using JavaScript. The calculator should support basic arithmetic operations: addition, subtraction, multiplication, and division.
3. Use CSS for styling to make the calculator visually appealing.

**Requirements:**

1. **Calculator Layout:**
   * The calculator should have buttons for digits (0-9), operations (+, -, \*, /), and special buttons like "C" for clearing, "=" for calculating the result, and a display screen to show the input and result.
2. **Functionalities:**
   * **Input**: Users should be able to click the buttons to enter numbers and select an operation.
   * **Operations**: The calculator should perform the operations when the "=" button is pressed.
   * **Clear**: The "C" button should reset the display.
   * **Display**: Show the ongoing operation and the result after hitting the "=" button.
3. **JavaScript Requirements**:
   * Create a function to handle button clicks and update the display.
   * Handle different arithmetic operations dynamically.
   * Perform input validation (e.g., preventing division by zero).
4. **CSS**:
   * Style the calculator in a way that makes it responsive and user-friendly