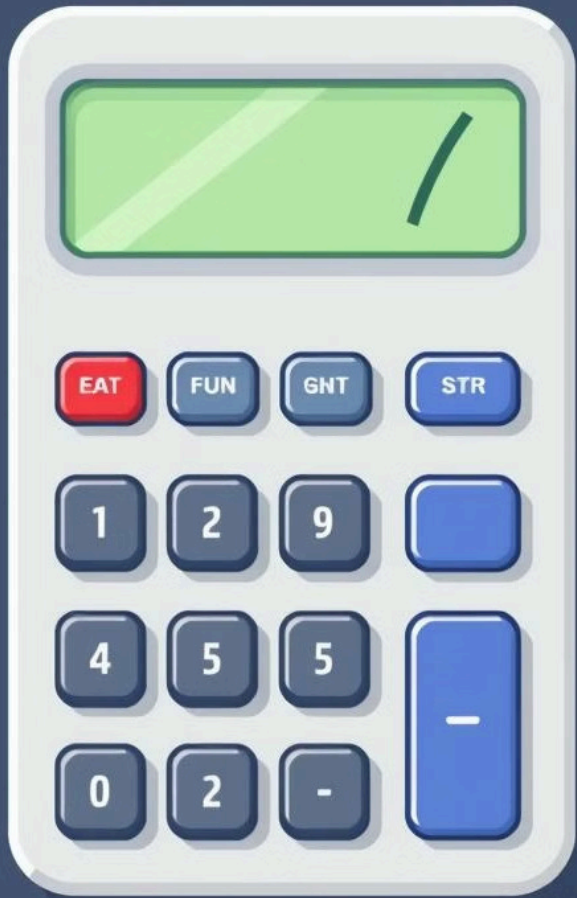




Simple Calculator Using JavaScript, HTML, and CSS

This project aims to develop a user-friendly web-based calculator application that performs basic arithmetic operations, showcasing the integration of HTML, CSS, and JavaScript with a focus on decision-making in programming.



Purpose and Key Features

1

Basic Arithmetic Operations

The calculator supports addition, subtraction, multiplication, and division.

2

Clean User Interface

The layout is designed to be intuitive and easy to use.

3

Integrated Technologies

The application combines HTML, CSS, and JavaScript to create a functional and visually appealing calculator.

Basic Arithmetic Operations

1

Addition

The calculator can perform addition of two numbers, providing the user with the sum.

2

Subtraction

Users can input two numbers and the calculator will display the difference between them.

3

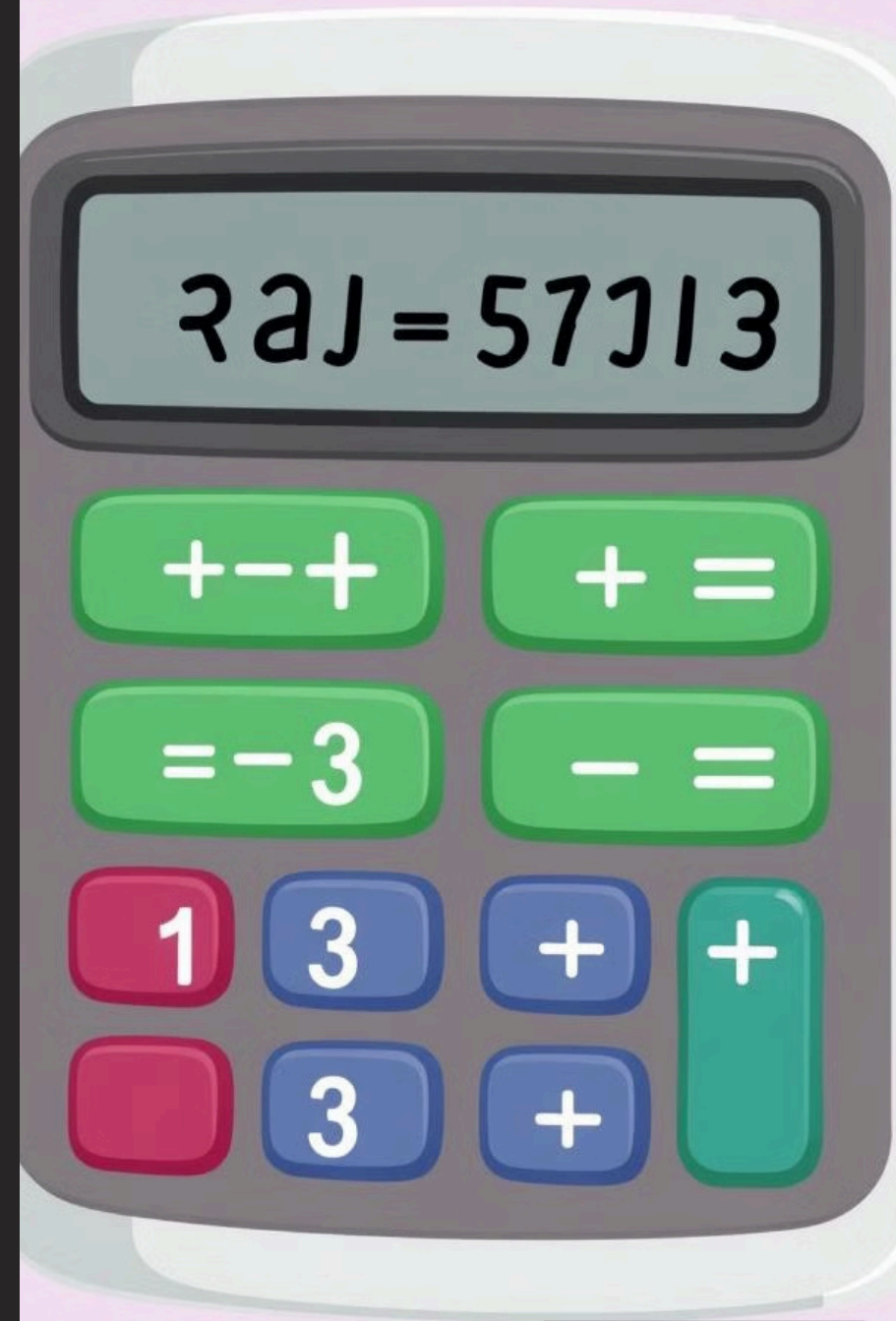
Multiplication

The calculator can multiply two numbers and show the product to the user.

4

Division

Users can divide two numbers, and the calculator will display the quotient.



User Interface Design

Input Display

The calculator features a display area where users can see the numbers and operations they input.

Numeric Buttons

The user interface includes buttons for each digit from 0 to 9, allowing easy number input.

Operator Buttons

The calculator provides buttons for the four basic arithmetic operations: addition, subtraction, multiplication, and division.

Integration of HTML, CSS, and JavaScript

HTML Structure

The calculator's user interface is built using HTML, defining the layout and elements of the web page.

CSS Styling

The CSS code is responsible for the visuals of the calculator, including the colors, fonts, and button designs.

JavaScript Functionality

The JavaScript code powers the calculator's logic, handling user input, performing calculations, and updating the display.

Synergistic Combination

The seamless integration of HTML, CSS, and JavaScript creates a fully functional and visually appealing calculator application.

Demonstration of Functionality

1

User Input

The user enters two numbers and selects an arithmetic operation.

2

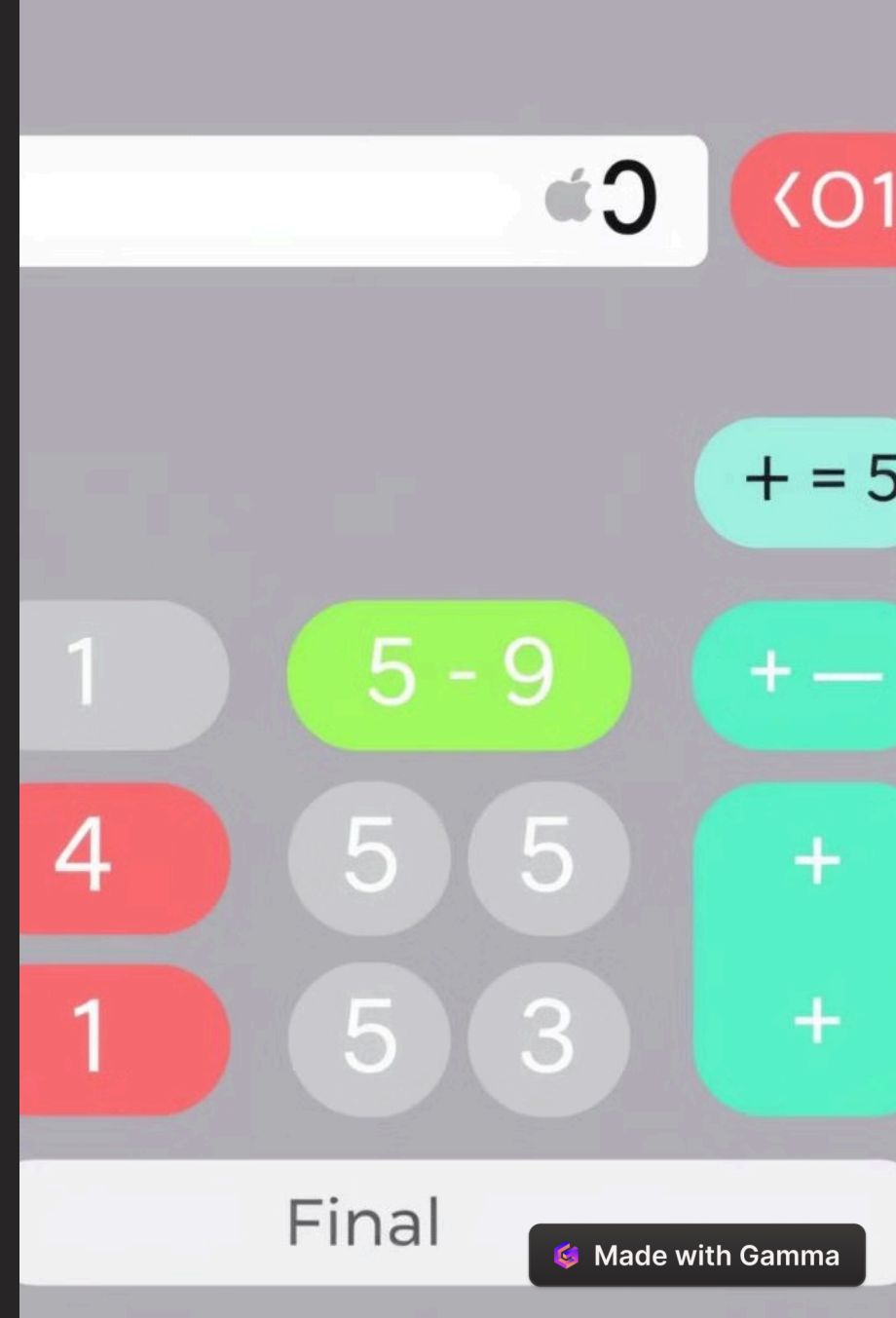
Calculation

The calculator's JavaScript code processes the input and performs the requested calculation.

3

Display Result

The calculator displays the result of the arithmetic operation to the user.





Conclusion and Future Enhancements



Successful Integration

The project successfully integrates HTML, CSS, and JavaScript to create a functional calculator application.



Potential Enhancements

Future improvements could include advanced features, such as scientific operations or history tracking.



Continuous Improvement

The calculator can be further refined and expanded to provide an even more user-friendly experience.