Digital Portfolio

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PROJECT TITLE

Simple calculator

AGENDA

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PROBLEM STATEMENT

In today's digital world, basic arithmetic operations like addition, subtraction, multiplication, and division are essential for daily calculations. However, many people still rely on traditional calculators or external applications. The goal of this project is to create a simple, lightweight, and user-friendly web-based calculator that performs these basic functions directly in the browser.

PROJECT OVERVIEW

This project is a web-based Simple Calculator built using HTML, CSS, and JavaScript.

HTML provides the structure of the calculator.

CSS enhances the design and layout.

JavaScript adds functionality to perform arithmetic operations

WHO ARE THE END USERS?

The main users of this calculator are:

Students – for solving basic arithmetic problems.

Teachers – to quickly verify simple calculations.

General users – anyone who needs a quick and accessible calculator online.

TOOLS AND TECHNIQUES

HTML5 – to design the calculator structure.

CSS3 – to style and format the interface.

JavaScript (ES6) – to implement logic and functionality.

VS Code / Sublime Text – as code editors.

Web Browser (Chrome/Edge/Firefox) – to run and test the project.

POTFOLIO DESIGN AND LAYOUT

The calculator design is simple and user-friendly:

A display screen for showing input and results.

Number buttons (0–9) for input.

Operation buttons (+, −, ×, ÷) for calculations.

A Clear (C) button to reset input.

FEATURES AND FUNCTIONALITY

Perform Addition, Subtraction, Multiplication, and Division.

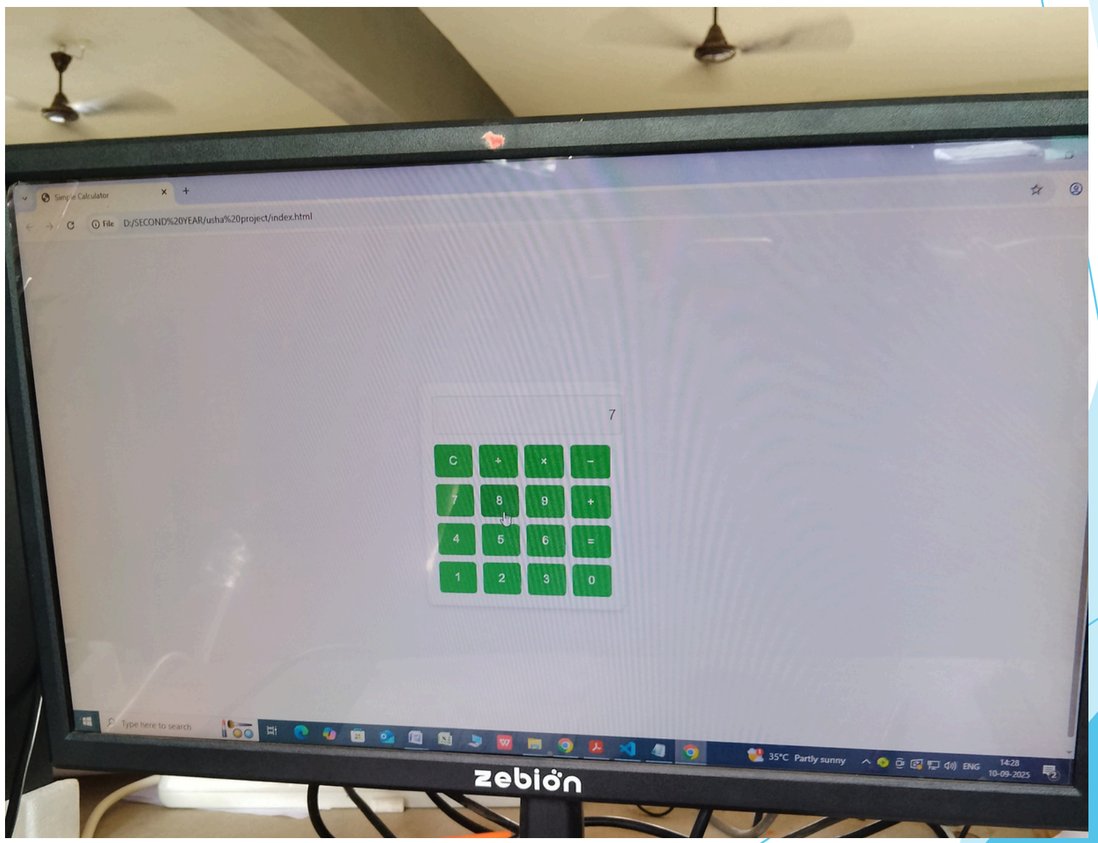
Clear function to reset calculations.

Real-time display of input and results.

User-friendly buttons and responsive layout.

Works directly in the browser without installation.

RESULTS AND SCREENSHOTS



CONCLUSION

This Simple Calculator Project demonstrates how HTML, CSS, and JavaScript can be combined to create a functional and interactive web application. It is useful for students and beginners who want to practice front-end web development. The project is extendable and can be enhanced with advanced features like percentage calculation, square root, memory functions, and scientific operations.