MLSA INTERNSHIP PROJECT

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BRANCH :CSE

SECTION :3C(SECOND YEAR)

DOMAIN: WEV DEVELOPMENT

CALCULATOR

PROJECT -2

: Introduction to the Calculator Application

- **Purpose of the Project:**
  - Create a basic calculator to perform arithmetic operations.
  - Use HTML for structure, CSS for styling, and JavaScript for functionality.
- **Features:**
  - Basic operations: addition, subtraction, multiplication, and division.
  - Clear (AC) and delete (DE) buttons.

HTML Structure
- **Main Components:**
  - **Container:** <div class="calculator"> - holds the calculator elements.
  - **Display:** <input type="text" name="display"> - shows the current input and result.
  - **Buttons:** Various <input type="button"> elements for digits and operations.

Button Layout
- **Button Grouping:**
- **Operators and Controls:**
- Clear (AC), Delete (DE), Decimal (.), and Division (/).
- **Number Buttons:**
- Rows for digits 7-9, 4-6, 1-3, 00, and 0.
- **Equal Button:**
- Triggers calculation with = button.

JavaScript Functionality
•**Event Handlers:**
•Each button uses onclick attributes to update the display.
•Operations are performed using the eval() function for the equal button.
•**Example of Button Functionality:**
•**Clear Button:** Resets the display.
•**Delete Button:** Removes the last character from the display.
•**Equal Button:** Evaluates the expression shown in the display.

CSS Styling

- **Styling Overview:**
  - **Container Styling:** Centered alignment with a light blue background.
  - **Calculator Styling:** Dark background with padding and rounded corners.
  - **Input Buttons:** Transparent background, box shadow for depth, and hover effects

- **HTML and CSS Combined:**
  - Present the complete code for the calculator, showing how HTML, CSS, and JavaScript work together.
- **Key Takeaways:**
  - Structure: HTML organizes the components.
  - Style: CSS enhances the visual appearance.
  - Interactivity: JavaScript adds functionality to the buttons.

THANKYOU