Online Calculator Project

This presentation provides a comprehensive overview of the Online Calculator project, including its structure, styling, and functionality.

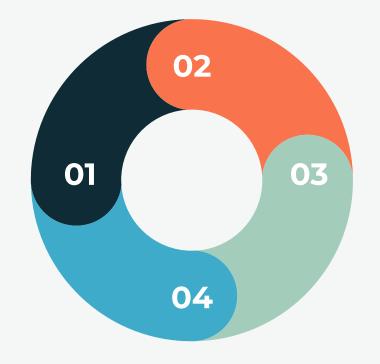
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Project Overview

The Online Calculator is a simple web-based application designed to perform basic arithmetic operations.

Supports addition, subtraction, multiplication, division, and parentheses for grouping.



Provides immediate feedback on invalid expressions.

Displays error messages in a user-friendly manner.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Online Calculator</title>
   <style>
      /* CSS styles are included here */
   </style>
</head>
<body>
   <div class="form-container">
       <div id="error-message" class="error-message"></div>
       <div class="header">
           <h3>Online Calculator</h3>
       </div>
       <form>
           <input type="text" id="screen" readonly>
                  <!-- Calculator buttons are included here -->
           </form>
   </div>
   <script>
       /* JavaScript functions are included here */
   </script>
</body>
</html>
```

HTML Structure

- Consists of a form containing a table to organize the calculator buttons.
- Includes a text input field to display entered values and results.

```
<style>
   body, html {
       height: 100%;
       margin: 0;
       display: flex;
       justify-content: center;
       align-items: center;
       background-color: #f0f0f0;
   /* Style for form position */
   .form-container {
       background:  white;
       padding: 20px;
       border-radius: 8px:
       box-shadow: 0 0 10px @rgba(0, 0, 0, 0.1);
   .header{
       text-align: center;
   input[type="button"] {
       width: 100%;
       padding: 20px;
       font-size: 18px;
       margin: 5px;
       border-radius: 8px;
       border: 1px solid □#ccc;
       background-color: #f9f9f9;
   input[type="text"] {
       width: 90%;
       padding: 20px;
       font-size: 18px;
       margin-bottom: 10px;
       border-radius: 8px;
       border: 1px solid □#ccc;
       text-align: right;
   .error-message {
       color: red:
       border: 1px solid = red;
       margin-bottom: 10px;
       display: none;
       padding: 5px:
       border-radius: 5px;
       background-color: #ffe6e6;
</style>
```

CSS Styles

Applies rounded corners and a clear, user-friendly layout.

Centers the calculator on the page.

JavaScript Functions

Displays values, evaluates expressions, and clears the input.

102 Handles the main functionality of the calculator.

Key Features

Displays user-friendly error messages for invalid expressions.

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Supports basic arithmetic operations: addition, subtraction, multiplication, and division.

Responsive design: centered on the page and adapts to different screen sizes.

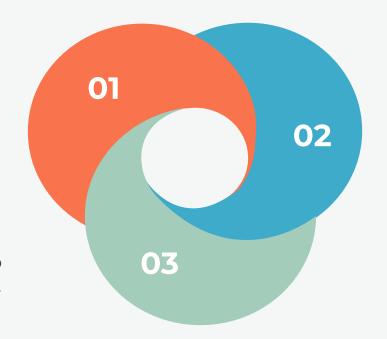
Allows grouping of expressions using parentheses.

How to Use

- Enter Values: Click the buttons to enter values and operations.
- Evaluate Expression: Click the = button to evaluate the expression.
- Clear Input: Click the Clear button to reset the input field.
- Error Handling: If the expression is invalid, an error message will be displayed.

Example Usage

Simple Calculation: Enter 3 + 5 and click = to get 8.



Complex Calculation: Enter (2 + 3) * 4 and click = to get 20.

Clear Input: Click Clear to start a new calculation.

Conclusion

To learn more, refer to the project's code file.

The Online Calculator project provides a simple web-based calculator with basic arithmetic operations and error handling.

The calculator's responsive design and user-friendly layout ensure a smooth user experience.

Thank you for your time 😊