# 📌 Calculator Project Procedure

## ✅ Step 1: Project Planning

Decide to build a basic web-based calculator using HTML, CSS, and JavaScript. Goal: Perform arithmetic operations (Add, Subtract, Multiply, Divide) with a clean, user-friendly UI.

## ✅ Step 2: Set Up the HTML Structure

Create a new HTML file. Design the layout including:  
- A display area to show input/output.  
- A button grid for digits and operators.

## ✅ Step 3: Style the Calculator with CSS

Style the calculator using CSS for layout, colors, and spacing.  
Set a mathematical background image for attraction.  
Add an image inside the calculator for a visual appeal.

## ✅ Step 4: Add Functionality Using JavaScript

Write functions to:  
- Append numbers/operators to the display.

- Clear the display.  
- Evaluate the entered expression and show the result.  
Handle errors like invalid expressions using try–catch.

## ✅ Step 5: Testing the Calculator

Test all buttons: digits, operations, clear, equal.  
Verify correct results for basic arithmetic.

## ✅ Step 6: Final Touches

Ensure layout looks good on various screen sizes.  
Add hover and active states to buttons for better interactivity.

## ✅ Step 7: Project Completion

Final version contains:  
- Functional calculator  
- Attractive UI with two math-themed images  
Ready to be used or shared in browser as a standalone file.

Calculator Website:

