

# Simple Calculator Web Project

## Project Description

This is a simple calculator web application that performs basic arithmetic operations such as addition, subtraction, multiplication, and division using HTML, CSS, and JavaScript.

## HTML, CSS and JavaScript Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Simple Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      padding: 50px;
      background-color: #f0f0f0;
    }
    .calculator {
      display: inline-block;
      background-color: white;
      padding: 20px;
      border-radius: 15px;
      box-shadow: 0 4px 8px rgba(0,0,0,0.1);
    }
    input[type="number"] {
      width: 80px;
      padding: 8px;
      margin: 10px;
      font-size: 16px;
    }
    select, button {
      padding: 10px;
      font-size: 16px;
      margin: 10px;
    }
    #result {
      margin-top: 20px;
      font-size: 20px;
      color: #333;
    }
  </style>
</head>
<body>
```

# Simple Calculator Web Project

```
<div class="calculator">
  <h2>Simple Calculator</h2>
  <input type="number" id="num1" placeholder="First number">
  <input type="number" id="num2" placeholder="Second number"><br>
  <select id="operation">
    <option value="add">Addition (+)</option>
    <option value="subtract">Subtraction (-)</option>
    <option value="multiply">Multiplication (×)</option>
    <option value="divide">Division (÷)</option>
  </select><br>
  <button onclick="calculate()">Calculate</button>
  <div id="result"></div>
</div>
<script>
  function calculate() {
    const num1 = parseFloat(document.getElementById('num1').value);
    const num2 = parseFloat(document.getElementById('num2').value);
    const operation = document.getElementById('operation').value;
    let result = '';
    if (isNaN(num1) || isNaN(num2)) {
      result = 'Please enter valid numbers.';
    } else {
      switch (operation) {
        case 'add':
          result = num1 + num2;
          break;
        case 'subtract':
          result = num1 - num2;
          break;
        case 'multiply':
          result = num1 * num2;
          break;
        case 'divide':
          if (num2 === 0) {
            result = 'Cannot divide by zero.';
          } else {
            result = num1 / num2;
          }
          break;
        default:
          result = 'Invalid operation.';
      }
    }
    document.getElementById('result').textContent = 'Result: ' + result;
  }
</script>
</body>
</html>
```

# Simple Calculator Web Project

## Output Preview

You can open the HTML file in any web browser to see the calculator in action. The calculator includes two input fields, a dropdown for selecting operations, and a button to calculate the result.