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# HTML Code:

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Calculator</title>

  <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;600&display=swap" rel="stylesheet">

  <link rel="stylesheet" href="cal.css">

</head>

<body>

  <div class="calculator-container">

    <!-- Input Section -->

    <div class="input-section">

      <label for="num1">1st Number:</label>

      <input type="number" id="num1" placeholder="Enter the first number">


      <label for="num2">2nd Number:</label>

      <input type="number" id="num2" placeholder="Enter the second number">

    </div>


    <!-- Buttons -->

    <div class="button-section">
```

```html
        <button id="multiply-btn">Multiply</button>

        <button id="divide-btn">Divide</button>

      </div>



      <!-- Result -->

      <p id="result">The Result is: <span></span></p>

    </div>



    <script src="script.js"></script>

</body>

</html>
```

# CSS CODE:

```css
/* General Reset */

* {

  margin: 0;

  padding: 0;

  box-sizing: border-box;

}


body {

  font-family: 'Montserrat', sans-serif;

  background: linear-gradient(120deg, #f0f4ff, #cfd8f7);

  display: flex;

  justify-content: center;

  align-items: center;
```

```css
    height: 100vh;

    padding: 20px; /* For responsiveness */

}


/* Calculator Container */

.calculator-container {

    background: #ffffff;

    padding: 20px;

    border-radius: 15px;

    box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);

    max-width: 350px; /* Adjusted for MacBook Air */

    width: 100%;

    text-align: center;

}


label {

    display: block;

    font-size: 1rem;

    color: #333;

    margin-bottom: 5px;

}


input[type="number"] {

    width: 100%;

    padding: 10px;

    font-size: 1rem;

    border: 1px solid #ddd;

    border-radius: 5px;
```

```css
    margin-bottom: 15px;

    transition: all 0.3s ease;

}


input[type="number"]:focus {

    border-color: #003366;

    outline: none;

    box-shadow: 0 0 5px rgba(0, 51, 102, 0.2);

}


/* Buttons */

.button-section button {

    padding: 10px 20px;

    background-color: #003366;

    color: white;

    border: none;

    border-radius: 5px;

    cursor: pointer;

    margin: 10px;

    transition: all 0.3s ease;

}


.button-section button:hover {

    background-color: #00509e;

}


#result {

    margin-top: 20px;
```

```css
  font-size: 1.2rem;

  font-weight: bold;

  color: #003366;

}
```

# JAVASCRIPT CODE:

```javascript
// JavaScript for Calculator


// Get DOM elements

const multiplyBtn = document.getElementById('multiply-btn');

const divideBtn = document.getElementById('divide-btn');

const resultElement = document.getElementById('result').querySelector('span');


// Function to calculate multiplication

multiplyBtn.addEventListener('click', () => {

  const num1 = parseFloat(document.getElementById('num1').value);

  const num2 = parseFloat(document.getElementById('num2').value);


  if (!isNaN(num1) && !isNaN(num2)) {

    const result = num1 * num2;

    resultElement.textContent = result;

  } else {

    resultElement.textContent = 'Invalid input!';

  }

});


// Function to calculate division
```

```javascript
divideBtn.addEventListener('click', () => {

    const num1 = parseFloat(document.getElementById('num1').value);

    const num2 = parseFloat(document.getElementById('num2').value);


    if (!isNaN(num1) && !isNaN(num2)) {

        if (num2 !== 0) {

            const result = num1 / num2;

            resultElement.textContent = result.toFixed(2); // Round to 2 decimal places

        } else {

            resultElement.textContent = 'Cannot divide by zero!';

        }

    } else {

        resultElement.textContent = 'Invalid input!';

    }

});
```

# Output:

1st Number:

10

2nd Number:

4

**Multiply** **Divide**

**The Result is: 40**

1st Number:

10

2nd Number:

4

**Multiply** **Divide**

**The Result is: 2.50**