

```
<div id="fraction-calculator" style="max-width: 420px; margin: auto; padding: 20px; background-color: #fff; border-radius: 8px; box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1); font-size: 1.2em;">
  <div id="result" style="width: 100%; padding: 15px; margin-bottom: 15px; font-size: 1.8em; text-align: right; background-color: #f9f9f9; border: 1px solid #ddd; border-radius: 4px;">0</div>
```

```
  <div style="display: flex; justify-content: center; margin-bottom: 15px;">
    <input type="number" id="numerator1" placeholder="Num 1" style="width: 60px; padding: 8px; text-align: center; border: 1px solid #ddd; border-radius: 4px; margin: 0 5px;" />
    <input type="number" id="denominator1" placeholder="Den 1" style="width: 60px; padding: 8px; text-align: center; border: 1px solid #ddd; border-radius: 4px; margin: 0 5px;" />
    <span style="align-self: center;"></span>
    <input type="number" id="numerator2" placeholder="Num 2" style="width: 60px; padding: 8px; text-align: center; border: 1px solid #ddd; border-radius: 4px; margin: 0 5px;" />
    <input type="number" id="denominator2" placeholder="Den 2" style="width: 60px; padding: 8px; text-align: center; border: 1px solid #ddd; border-radius: 4px; margin: 0 5px;" />
  </div>
```

```
  <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 15px;">
    <button class="button operator" onclick="setOperator('+)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #f39c12; border: none; border-radius: 4px; cursor: pointer;">+</button>
    <button class="button operator" onclick="setOperator('-)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #f39c12; border: none; border-radius: 4px; cursor: pointer;">-</button>
    <button class="button operator" onclick="setOperator('*)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #f39c12; border: none; border-radius: 4px; cursor: pointer;">*</button>
    <button class="button operator" onclick="setOperator('/)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #f39c12; border: none; border-radius: 4px; cursor: pointer;">÷</button>
    <button class="button clear" onclick="clearDisplay()" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #e74c3c; border: none; border-radius: 4px; cursor: pointer; grid-column: span 2;">C</button>
    <button class="button equal" onclick="calculate()" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #2ecc71; border: none; border-radius: 4px; cursor: pointer; grid-column: span 2;">=</button>
```

```
<!-- Additional Fraction Buttons -->
<button class="button fraction" onclick="setFraction(1, 2)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #3498db;
border: none; border-radius: 4px; cursor: pointer;">1/2</button>
<button class="button fraction" onclick="setFraction(1, 3)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #3498db;
border: none; border-radius: 4px; cursor: pointer;">1/3</button>
<button class="button fraction" onclick="setFraction(1, 4)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #3498db;
border: none; border-radius: 4px; cursor: pointer;">1/4</button>
<button class="button fraction" onclick="setFraction(3, 4)" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #3498db;
border: none; border-radius: 4px; cursor: pointer;">3/4</button>
<button class="button fraction" onclick="convertToDecimal()" style="padding: 20px; font-size: 1.2em; color: #fff; background-color: #9b59b6;
border: none; border-radius: 4px; cursor: pointer; grid-column: span 4;">Convert to Decimal</button>
</div>
</div>
```

```
<script>
let operator = "";
let result = document.getElementById("result");

function setOperator(op) {
  operator = op;
}

function calculate() {
  const num1 = parseInt(document.getElementById('numerator1').value);
  const den1 = parseInt(document.getElementById('denominator1').value);
  const num2 = parseInt(document.getElementById('numerator2').value);
  const den2 = parseInt(document.getElementById('denominator2').value);

  if (den1 === 0 || den2 === 0) {
```

```
    result.innerHTML = "Denominator cannot be zero";  
    return;  
}
```

```
let answer;  
switch (operator) {  
  case '+':  
    answer = (num1 * den2 + num2 * den1) + '/' + (den1 * den2);  
    break;  
  case '-':  
    answer = (num1 * den2 - num2 * den1) + '/' + (den1 * den2);  
    break;  
  case '*':  
    answer = (num1 * num2) + '/' + (den1 * den2);  
    break;  
  case '/':  
    answer = (num1 * den2) + '/' + (den1 * num2);  
    break;  
  default:  
    answer = 'Error';  
}
```

```
result.innerHTML = answer;  
}
```

```
function clearDisplay() {  
  document.getElementById('numerator1').value = "";  
  document.getElementById('denominator1').value = "";  
  document.getElementById('numerator2').value = "";  
  document.getElementById('denominator2').value = "";  
}
```

```
result.innerHTML = '0';
operator = "";
}

function setFraction(num, den) {
  document.getElementById('numerator1').value = num;
  document.getElementById('denominator1').value = den;
}

function convertToDecimal() {
  const num1 = parseInt(document.getElementById('numerator1').value);
  const den1 = parseInt(document.getElementById('denominator1').value);
  const num2 = parseInt(document.getElementById('numerator2').value);
  const den2 = parseInt(document.getElementById('denominator2').value);

  if (den1 === 0 || den2 === 0) {
    result.innerHTML = "Denominator cannot be zero";
    return;
  }

  const decimal1 = (num1 / den1).toFixed(2);
  const decimal2 = (num2 / den2).toFixed(2);

  result.innerHTML = `Decimal 1: ${decimal1}, Decimal 2: ${decimal2}`;
}
</script>
```

<p><center>Calculatorshubs</center></p>