

```
<!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 rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 50px;
    }

    .calculator {
      max-width: 300px;
      margin: 0 auto;
      background-color: #f4f4f4;
      border: 1px solid #ccc;
      border-radius: 5px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      overflow: hidden;
    }

    .title-bar {
      background-color: #333;
      color: #fff;
      padding: 10px;
```

```
text-align: left;
font-size: 18px;
}
```

```
.display {
width: 100%;
height: 50px;
padding: 10px;
font-size: 24px;
text-align: right;
border-bottom: 1px solid #ccc;
background-color: #fff;
}
```

```
.buttons {
display: grid;
grid-template-columns: repeat(4, 1fr);
gap: 1px;
}
```

```
button {
width: 100%;
height: 60px;
font-size: 18px;
border: none;
outline: none;
cursor: pointer;
background-color: #e0e0e0;
transition: background-color 0.3s;
```

```
}

button:active {
    background-color: #ccc;
}
</style>
</head>
<body>

<div class="calculator">
    <div class="title-bar">
        <span>Calculator</span>
    </div>
    <div class="display" id="result">0</div>
    <div class="buttons">
        <button onclick="appendToDisplay('1')">1</button>
        <button onclick="appendToDisplay('2')">2</button>
        <button onclick="appendToDisplay('3')">3</button>
        <button onclick="appendToDisplay('+)" class="operator">+</button>

        <button onclick="appendToDisplay('4')">4</button>
        <button onclick="appendToDisplay('5')">5</button>
        <button onclick="appendToDisplay('6')">6</button>
        <button onclick="appendToDisplay('-)" class="operator">-</button>

        <button onclick="appendToDisplay('7')">7</button>
        <button onclick="appendToDisplay('8')">8</button>
        <button onclick="appendToDisplay('9')">9</button>
        <button onclick="appendToDisplay('*)" class="operator">*</button>
```

```
<button onclick="appendToDisplay('0')">0</button>
<button onclick="clearDisplay()">C</button>
<button onclick="calculateResult()" class="operator">=</button>
<button onclick="appendToDisplay('/')" class="operator">/</button>
</div>
</div>
```

```
<script>
function appendToDisplay(value) {
  const display = document.getElementById('result');
  if (display.innerHTML === '0' || display.innerHTML === 'Error') {
    display.innerHTML = value;
  } else {
    display.innerHTML += value;
  }
}

function clearDisplay() {
  document.getElementById('result').innerHTML = '0';
}

function calculateResult() {
  try {
    const display = document.getElementById('result');
    display.innerHTML = eval(display.innerHTML);
  } catch (error) {
    display.innerHTML = 'Error';
  }
}
```

```
}
```

```
// Keyboard Listeners
```

```
document.addEventListener('keydown', function (event) {
```

```
    const key = event.key;
```

```
    if (!isNaN(key) || key === '+' || key === '-' || key === '*' || key === '/') {
```

```
        appendToDisplay(key);
```

```
    } else if (key === 'Enter') {
```

```
        calculateResult();
```

```
    } else if (key === 'Escape') {
```

```
        clearDisplay();
```

```
    }
```

```
});
```

```
</script>
```

```
<!-- Bootstrap JS and Popper.js -->
```

```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
```

```
<script
```

```
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.10.2/dist/umd/popper.min.js"></script>
```

```
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
```

```
</body>
```

```
</html>
```