```<!DOCTYPE html>

<html>

<head>

<title>Advanced Calculator</title>

<style>

/\* Add some basic styling to make the calculator look decent \*/

body {

font-family: Arial, sans-serif;

}

.calculator {

width: 300px;

margin: 50px auto;

padding: 20px;

background-color: #f9f9f9;

border: 1px solid #ccc;

border-radius: 10px;

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

}

.display {

width: 100%;

height: 40px;

margin-bottom: 20px;

padding: 10px;

background-color: #fff;

border: 1px solid #ccc;

border-radius: 10px;

text-align: right;

font-size: 24px;

}

.buttons {

margin-top: 20px;

}

.button {

width: 60px;

height: 40px;

margin: 5px;

padding: 10px;

background-color: #4CAF50;

color: #fff;

border: none;

border-radius: 10px;

cursor: pointer;

}

.button:hover {

background-color: #3e8e41;

}

</style>

</head>

<body>

<div class="calculator">

<div class="display" id="display">0</div>

<div class="buttons">

<button class="button" onclick="clearDisplay()">C</button>

<button class="button" onclick="deleteLastChar()">DEL</button>

<button class="button" onclick="appendChar('/')">/</button>

<button class="button" onclick="appendChar('\*')">\*</button>

<button class="button" onclick="appendChar('-')">-</button>

<button class="button" onclick="appendChar('+')">+</button>

<button class="button" onclick="appendChar('7')">7</button>

<button class="button" onclick="appendChar('8')">8</button>

<button class="button" onclick="appendChar('9')">9</button>

<button class="button" onclick="appendChar('4')">4</button>

<button class="button" onclick="appendChar('5')">5</button>

<button class="button" onclick="appendChar('6')">6</button>

<button class="button" onclick="appendChar('1')">1</button>

<button class="button" onclick="appendChar('2')">2</button>

<button class="button" onclick="appendChar('3')">3</button>

<button class="button" onclick="appendChar('0')">0</button>

<button class="button" onclick="calculateResult()">=</button>

</div>

</div>

<script>

// Add JavaScript code here to handle calculator functionality

</script>

</body>

</html>```