

Calculator\calci.js

```
1 let display = document.getElementById('display');
2 let currentInput = '';
3 let previousInput = '';
4 let operator = '';
5
6 function appendToDisplay(value) {
7     if (value === '.' && currentInput.includes('.')) {
8         return; // Prevent multiple decimals in the same number
9     }
10    currentInput += value;
11    display.value = currentInput;
12 }
13
14 function clearDisplay() {
15     currentInput = '';
16     previousInput = '';
17     operator = '';
18     display.value = '';
19 }
20
21 function deleteLast() {
22     currentInput = currentInput.slice(0, -1);
23     display.value = currentInput;
24 }
25
26 function calculate(op) {
27     if (op === '=') {
28         // If the '=' button is pressed, perform the calculation
29         if (operator && currentInput !== '') {
30             calculateResult();
31         }
32         return;
33     }
34
35     if (currentInput !== '') {
36         if (previousInput !== '') {
37             calculateResult();
38         }
39         previousInput = currentInput;
40         operator = op;
41         currentInput = '';
42
43         // Clear any previous operator before displaying a new one
44         display.value = previousInput + ` ${op} `;
45     } else if (previousInput !== '') {
46         // If currentInput is empty but there was a previous input, update the operator
47         operator = op;
48         display.value = previousInput + ` ${op} `;
49     }
50 }
51
```

```
52 function calculateResult() {
53     if (currentInput === '') {
54         // If no second operand is provided, assume it is equal to the first one
55         currentInput = previousInput;
56     }
57
58     let result;
59     switch (operator) {
60         case '+':
61             result = parseFloat(previousInput) + parseFloat(currentInput);
62             break;
63         case '-':
64             result = parseFloat(previousInput) - parseFloat(currentInput);
65             break;
66         case '*':
67             result = parseFloat(previousInput) * parseFloat(currentInput);
68             break;
69         case '/':
70             if (currentInput === '0') {
71                 alert("Cannot divide by zero");
72                 clearDisplay();
73                 return;
74             }
75             result = parseFloat(previousInput) / parseFloat(currentInput);
76             break;
77         default:
78             return;
79     }
80
81     currentInput = result.toString();
82     previousInput = '';
83     operator = '';
84     display.value = currentInput;
85 }
86
```