Calculator Task

```html
  2   <html lang="en">
  3   <head>
  8     <style>
  9       body {
 13         height: 100vh;
 14         background-color: white;
 15       }
 16       .calculator {
 17         background: #ddd;
 18         padding: 20px;
 19
 20         max-width: 320px;
 21         width: 100%;
 22         border-radius: 10px;
 23         box-shadow: 6px 6px 15px rgba(0, 0, 0, 0.3);
 24       }
 25       #result {
 26         height: 60px;
 27         background: #ccc;
 28         text-align: right;
 29         padding: 10px;
 30         border-radius: 5px;
 31          font-size: 32px;
 32       }
 33       .btn {
 34           margin: 5px;
 35         font-size: 18px;
 36         width: 70px;
 37         height: 50px;
 38
 39       }
 40       .btn-clear { color: red; }
 41       .btn-operator { color: blue; }
 42       .btn-equal {
```

```
2   <html lang="en">
3   <head>
8     <style>
33      .btn {
38
39      }
40      .btn-clear { color: red; }
41      .btn-operator { color: blue; }
42      .btn-equal {
43        background-color: #007bff;
44        color: white;
45        width: calc(100% - 20px);
46      }
47    </style>
48  </head>
49  <body>
50    <div id="app"></div>
51    <script>
52      const app = document.getElementById('app');
53
54      const calculator = document.createElement('div');
55      calculator.className = 'calculator';
56
57      const result = document.createElement('div');
58      result.id = 'result';
59      result.innerText = '0';
60      calculator.appendChild(result);
61
62      const buttons = [
63        ['C', '←', '.', '*'],
64        ['7', '8', '9', '/'],
65        ['4', '5', '6', '-'],
66        ['1', '2', '3', '+'],
67        ['0', '00', '%', '='],
68      ];
```

```javascript
];

buttons.forEach(row => {
  const rowDiv = document.createElement('div');
  rowDiv.className = 'd-flex justify-content-center';
  row.forEach(char => {
    const btn = document.createElement('button');
    btn.className = 'btn';
    btn.textContent = char;
    if (char === 'C') btn.classList.add('btn-clear');
    if (['*', '/', '-', '+', '%'].includes(char)) btn.classList.add('btn-operator');
    if (char === '=') {
      btn.classList.add('btn-equal');
      btn.style.width = '90%';
    }
    btn.onclick = () => handleInput(char);
    rowDiv.appendChild(btn);
  });
  calculator.appendChild(rowDiv);
});

app.appendChild(calculator);

function handleInput(value) {
  if (value === 'C') {
    result.innerText = '0';
  } else if (value === '←') {
    result.innerText = result.innerText.slice(0, -1) || '0';
  } else if (value === '=') {
    try {
      result.innerText = eval(result.innerText.replace('%', '%'));
```

```
            btn.classList.add('btn-equal');
            btn.style.width = '90%';
        }
        btn.onclick = () => handleInput(char);
        rowDiv.appendChild(btn);
    });
    calculator.appendChild(rowDiv);
});

app.appendChild(calculator);

function handleInput(value) {
    if (value === 'C') {
        result.innerText = '0';
    } else if (value === '←') {
        result.innerText = result.innerText.slice(0, -1) || '0';
    } else if (value === '=') {
        try {
            result.innerText = eval(result.innerText.replace('%', '%'));
        } catch (e) {
            alert('Invalid expression');
        }
    } else {
        if (result.innerText === '0') result.innerText = '';
        result.innerText += value;
    }
}

</script>
```

```
<> index.html  U  ●        JS  script.js  U  ●

mini-task > JS script.js > 🏷 backspace
  1    function append(value) {
  2      const display = document.getElementById("result");
  3      if (display.textContent === "0") {
  4        display.textContent = value;
  5      } else {
  6        display.textContent += value;
  7      }
  8    }
  9
 10    function clearDisplay() {
 11      document.getElementById("result").textContent = "0";
 12    }
 13
 14    function backspace() {
 15      const display = document.getElementById("result");
 16      display.textContent = display.textContent.slice(0, -1) || "0";
 17    }
 18
 19    function calculate() {
 20      const display = document.getElementById("result");
 21      try {
 22        display.textContent = eval(display.textContent.replace(/x/g, "*").replace(/÷/g, "/"));
 23      } catch {
 24        display.textContent = "Error";
 25      }
 26    }
 27
```

Output:

			0
C	←	.	*
7	8	9	/
4	5	6	-
1	2	3	+
0	00	%	=

			74/2
C	←	.	*
7	8	9	/
4	5	6	-
1	2	3	+
0	00	%	=

			37
C	←	.	*
7	8	9	/
4	5	6	-
1	2	3	+
0	00	%	=