Task 2: Build a Calculator

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-scale=1">
  <title>Basic Calculator</title>
  <style>
   body {
     display: flex;
     justify-content: center;
     align-items: center;
     height: 100vh;
     margin: 0;
     background: #f0f2f5;
     font-family: Arial, sans-serif;
   }

   .calculator {
     background: #ffffff;
     padding: 20px;
     border-radius: 16px;
     box-shadow: 0 4px 10px rgba(0,0,0,0.1);
   }

   #display {
     width: 100%;
     height: 60px;
     font-size: 24px;
     text-align: right;
     padding: 10px;
     border: none;
     border-radius: 8px;
     background: #f1f1f1;
     margin-bottom: 15px;
   }

   .buttons {
     display: grid;
     grid-template-columns: repeat(4, 60px);
     gap: 10px;
   }
```

```
    button {
      padding: 15px;
      font-size: 18px;
      border: none;
      border-radius: 8px;
      background: #e0e0e0;
      cursor: pointer;
      transition: background 0.2s ease;
    }

    button:hover {
      background: #d4d4d4;
    }

    button:active {
      background: #bbb;
    }
  </style>
</head>
<body>
  <div class="calculator">
    <input type="text" id="display" disabled />
    <div class="buttons">
      <button onclick="clearDisplay()">C</button>
      <button onclick="appendValue('(')">(</button>
      <button onclick="appendValue(')')">)</button>
      <button onclick="appendValue('/')">÷</button>

      <button onclick="appendValue('7')">7</button>
      <button onclick="appendValue('8')">8</button>
      <button onclick="appendValue('9')">9</button>
      <button onclick="appendValue('*')">×</button>

      <button onclick="appendValue('4')">4</button>
      <button onclick="appendValue('5')">5</button>
      <button onclick="appendValue('6')">6</button>
      <button onclick="appendValue('-')">−</button>

      <button onclick="appendValue('1')">1</button>
      <button onclick="appendValue('2')">2</button>
      <button onclick="appendValue('3')">3</button>
      <button onclick="appendValue('+')">+</button>
```

```html
        <button onclick="appendValue('2')">2</button>
        <button onclick="appendValue('3')">3</button>
        <button onclick="appendValue('+')">+</button>

        <button onclick="appendValue('0')">0</button>
        <button onclick="appendValue('.')">.</button>
        <button onclick="calculate()">=</button>
        <button onclick="deleteLast()">⊠</button>
    </div>
  </div>

  <script>
    function appendValue(value) {
      document.getElementById("display").value +=
value;
    }

    function clearDisplay() {
      document.getElementById("display").value = "";
    }

    function deleteLast() {
      let current =
document.getElementById("display").value;
      document.getElementById("display").value =
current.slice(0, -1);
    }

    function calculate() {
      try {
        let result =
eval(document.getElementById("display").value);
        document.getElementById("display").value =
result;
      } catch {
        document.getElementById("display").value =
"Error";
      }
    }
  </script>
</body>
</html>
```