

HTML:

```
<!DOCTYPE html>

<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Basic Calculator</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

  <div class="calculator">
    <input type="text" id="display" readonly>

    <div class="buttons">
      <button onclick="appendNumber('7')">7</button>
      <button onclick="appendNumber('8')">8</button>
      <button onclick="appendNumber('9')">9</button>
      <button onclick="appendOperator('/')">/</button>

      <button onclick="appendNumber('4')">4</button>
      <button onclick="appendNumber('5')">5</button>
      <button onclick="appendNumber('6')">6</button>
      <button onclick="appendOperator('*')">*</button>

      <button onclick="appendNumber('1')">1</button>
      <button onclick="appendNumber('2')">2</button>
      <button onclick="appendNumber('3')">3</button>
      <button onclick="appendOperator('-')">-</button>

      <button onclick="appendNumber('0')">0</button>
      <button onclick="appendDot()">.</button>
```

```
<button onclick="calculate()">=</button>
<button onclick="appendOperator('+')">+</button>

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

<script src="script.js"></script>
</body>
</html>
```

CSS:

```
body {
background-color: lightblue; /* Use color name */
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
font-family: sans-serif;
}
```

```
.calculator {
background-color: white;
padding: 20px;
border-radius: 12px;
box-shadow: 0 4px 10px gray;
}
```

```
#display {
width: 100%;
padding: 10px;
```

```
font-size: 24px;
margin-bottom: 10px;
text-align: right;
border: 1px solid gray;
border-radius: 6px;
}
```

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

```
button {
padding: 15px;
font-size: 18px;
border: none;
border-radius: 6px;
cursor: pointer;
background-color: lightgray;
}
```

```
button:hover {
background-color: silver;
}
```

```
.clear {
grid-column: span 4;
background-color: tomato;
color: white;
}
```

JSP:

```
let display = document.getElementById("display");
```

```
function appendNumber(number) {  
    display.value += number;  
}
```

```
function appendOperator(operator) {  
    display.value += operator;  
}
```

```
function appendDot() {  
    if (!display.value.includes(".")) {  
        display.value += ".";  
    }  
}
```

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

```
function calculate() {  
    try {  
        display.value = eval(display.value);  
    } catch (e) {  
        display.value = "Error";  
    }  
}
```