

## HTML

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Simple Calculator</title>

  <link rel="stylesheet" href="styles.css">

</head>

<body>

  <div class="calculator">

    <input type="text" class="calculator-screen" id="screen" disabled />

    <div class="calculator-keys">

      <button value="7">7</button>

      <button value="8">8</button>

      <button value="9">9</button>

      <button value="/" class="operator">÷</button>

      <button value="4">4</button>

      <button value="5">5</button>

      <button value="6">6</button>

      <button value="*" class="operator">×</button>

      <button value="1">1</button>

      <button value="2">2</button>

      <button value="3">3</button>
```

```
<button value="-" class="operator">-</button>

<button value="0">0</button>

<button value="." class="decimal">.</button>

<button value="=" class="equal-sign">=</button>

<button value="+" class="operator">+</button>


<button value="clear" class="all-clear">AC</button>

</div>

</div>

<script src="script.js"></script>

</body>

</html>
```

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## CSS

```
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  background-color: #f4f4f9;
  font-family: 'Arial', sans-serif;
}
```

```
.calculator {
  border-radius: 10px;
```

```
padding: 20px;
background-color: #fff;
box-shadow: 0 8px 16px rgba(0, 0, 0, 0.25);
}
```

```
.calculator-screen {
width: 100%;
height: 60px;
background-color: #252525;
color: #fff;
border: none;
text-align: right;
padding-right: 10px;
padding-left: 10px;
font-size: 2rem;
margin-bottom: 10px;
}
```

```
.calculator-keys button {
width: 60px;
height: 60px;
margin: 5px;
font-size: 1.5rem;
background-color: #e0e0e0;
border: none;
border-radius: 5px;
```

```
    cursor: pointer;
}
```

```
.operator {
    background-color: #ff9500;
    color: white;
}
```

```
.equal-sign {
    background-color: #28a745;
    color: white;
}
```

```
.all-clear {
    background-color: #d9534f;
    color: white;
}
```

```
button:active {
    box-shadow: inset 0 3px 5px rgba(0, 0, 0, 0.125);
}
```

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Javascript

```
const screen = document.querySelector('#screen');
const keys = document.querySelector('.calculator-keys');
```

```
keys.addEventListener('click', event => {
```

```
const { target } = event;

const { value } = target;

if (!target.matches('button')) {
    return;
}

switch (value) {
    case '=':
        try {
            screen.value = eval(screen.value);
        } catch {
            screen.value = 'Error';
        }
        break;
    case 'clear':
        screen.value = "";
        break;
    default:
        screen.value += value;
}
});
```