

# Calculator

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<!DOCTYPE html>
<html>

<head>
    <title>Calculator</title>
    <style>
        body {
            background: #f0f8ff;
            text-align: center;
            margin-top: 40px;
        }

        .calculator {
            background: #fff;
            padding: 15px;
            border-radius: 8px;
            display: inline-block;
            box-shadow: 0 0 5px #aaa;
        }

        input {
            width: 160px;
            height: 30px;
            text-align: right;
            margin-bottom: 10px;
        }

        button {
            width: 35px;
            height: 35px;
            margin: 3px;
            border: none;
            border-radius: 4px;
            color: #fff;
        }

        button:nth-child(odd) {
            background: #ff7675;
        }

        button:nth-child(even) {
            background: #74b9ff;
        }
    </style>
</head>

<body>
    <div class="calculator">
        <input type="text" id="result" readonly><br>
```

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<button onclick="clearScreen()">C</button>
<button onclick="square()">x2</button>
<button onclick="append('/')">/</button>
<button onclick="append('*')">*</button><br>
<button onclick="append('7')">7</button>
<button onclick="append('8')">8</button>
<button onclick="append('9')">9</button>
<button onclick="append('-')">-</button><br>
<button onclick="append('4')">4</button>
<button onclick="append('5')">5</button>
<button onclick="append('6')">6</button>
<button onclick="append('+')">+</button><br>
<button onclick="append('1')">1</button>
<button onclick="append('2')">2</button>
<button onclick="append('3')">3</button>
<button onclick="calculate()">=</button><br>
<button onclick="append('0')">0</button>
<button onclick="append('.')">.</button>
</div>
<script>
    function append(v) { document.getElementById("result").value += v; }
    function clearScreen() { document.getElementById("result").value = ""; }
    function calculate() {
        try {
            let exp = document.getElementById("result").value;
            let res = eval(exp);
            if (isNaN(res)) { alert("Invalid"); clearScreen(); }
            else { document.getElementById("result").value = exp + " = " + res; }
        } catch { alert("Invalid"); clearScreen(); }
    }
    function square() {
        let n = parseFloat(document.getElementById("result").value);
        if (isNaN(n)) { alert("Enter number"); }
        else { document.getElementById("result").value = n + "² = " + (n * n); }
    }
</script>
</body>

</html>

```

