**SIMPLE CALCULATOR :**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>Simple Calculator</title>

<style>

/\* Background \*/

body {

margin: 0;

padding: 0;

height: 100vh;

background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

display: flex;

flex-direction: column;

align-items: center;

justify-content: center;

}

/\* Heading Style \*/

.main-heading {

font-size: 3rem;

font-weight: 900;

background: linear-gradient(to right, #ffffff, #c0c0ff);

-webkit-background-clip: text;

-webkit-text-fill-color: transparent;

margin-bottom: 30px;

text-align: center;

letter-spacing: 2px;

text-transform: uppercase;

position: relative;

}

.main-heading::after {

content: "";

width: 80px;

height: 4px;

background-color: #fff;

display: block;

margin: 10px auto 0;

border-radius: 2px;

}

/\* Calculator Box \*/

.calculator {

background-color: #f9f9f9;

border-radius: 24px;

box-shadow: 0 16px 30px rgba(0,0,0,0.2);

padding: 30px 28px 40px;

width: 360px;

display: flex;

flex-direction: column;

align-items: stretch;

animation: fadeIn 0.6s ease forwards;

}

@keyframes fadeIn {

from { opacity: 0; transform: translateY(20px); }

to { opacity: 1; transform: translateY(0); }

}

/\* Display Box \*/

#display {

width: 100%;

height: 65px;

font-size: 32px;

font-weight: 600;

text-align: right;

padding: 10px 20px;

border-radius: 16px;

border: 2px solid #d1d1d6;

background-color: #fff;

color: #222;

box-shadow: inset 2px 2px 8px rgba(0,0,0,0.05);

margin-bottom: 30px;

user-select: none;

}

/\* Button Grid \*/

.buttons {

display: grid;

grid-template-columns: repeat(4, 1fr);

gap: 15px;

}

/\* Button Style \*/

button {

padding: 18px 0;

font-size: 20px;

border: none;

border-radius: 14px;

background-color: #e5e5e5;

box-shadow: 0 6px 12px rgba(0,0,0,0.1);

cursor: pointer;

color: #4b4b6b;

font-weight: 600;

transition: background-color 0.25s ease, transform 0.15s ease;

user-select: none;

}

button:hover {

background-color: #d2d2d7;

transform: translateY(-2px);

}

button:active {

transform: scale(0.95);

background-color: #bfbfc4;

}

.clear {

background-color: #ff6b6b;

color: white;

box-shadow: 0 6px 12px rgba(255, 107, 107, 0.5);

}

.clear:hover {

background-color: #e74c3c;

}

.clear:active {

background-color: #c0392b;

}

.operator {

background-color: #7f8cff;

color: white;

box-shadow: 0 6px 12px rgba(127, 140, 255, 0.5);

}

.operator:hover {

background-color: #6677e9;

}

.operator:active {

background-color: #4f5bcc;

}

.equal {

background-color: #00b894;

color: white;

box-shadow: 0 6px 12px rgba(0, 184, 148, 0.5);

}

.equal:hover {

background-color: #019875;

}

.equal:active {

background-color: #017a5f;

}

.zero {

grid-column: span 2;

}

</style>

</head>

<body>

<h1 class="main-heading">Simple Calculator</h1>

<div class="calculator" role="region" aria-label="Simple Calculator">

<input type="text" id="display" disabled aria-live="polite" aria-atomic="true" />

<div class="buttons">

<button class="clear" onclick="clearDisplay()" aria-label="Clear">C</button>

<button onclick="clearEntry()" aria-label="Clear Entry">CE</button>

<button onclick="percent()" aria-label="Percent">%</button>

<button class="operator" onclick="appendValue('/')" aria-label="Divide">÷</button>

<button onclick="appendValue('7')" aria-label="Seven">7</button>

<button onclick="appendValue('8')" aria-label="Eight">8</button>

<button onclick="appendValue('9')" aria-label="Nine">9</button>

<button class="operator" onclick="appendValue('\*')" aria-label="Multiply">×</button>

<button onclick="appendValue('4')" aria-label="Four">4</button>

<button onclick="appendValue('5')" aria-label="Five">5</button>

<button onclick="appendValue('6')" aria-label="Six">6</button>

<button class="operator" onclick="appendValue('-')" aria-label="Subtract">−</button>

<button onclick="appendValue('1')" aria-label="One">1</button>

<button onclick="appendValue('2')" aria-label="Two">2</button>

<button onclick="appendValue('3')" aria-label="Three">3</button>

<button class="operator" onclick="appendValue('+')" aria-label="Add">+</button>

<button onclick="appendValue('0')" class="zero" aria-label="Zero">0</button>

<button onclick="appendValue('.')" aria-label="Decimal point">.</button>

<button class="equal" onclick="calculate()" aria-label="Equals">=</button>

</div>

</div>

<script>

const display = document.getElementById('display');

function appendValue(value) {

display.value += value;

}

function clearDisplay() {

display.value = '';

}

function clearEntry() {

const parts = display.value.split(/[\+\-\\*\/]/g);

if (parts.length > 0) {

const last = parts[parts.length - 1];

display.value = display.value.slice(0, -last.length);

}

}

function percent() {

if (display.value) {

try {

display.value = String(eval(display.value) / 100);

} catch {

display.value = "Error";

}

}

}

function calculate() {

try {

if (/[\+\-\\*\/\.]$/.test(display.value)) return;

display.value = eval(display.value);

} catch (error) {

display.value = 'Error';

}

}

document.addEventListener('keydown', function (event) {

const key = event.key;

if (!isNaN(key) || ['+', '-', '\*', '/', '.'].includes(key)) {

appendValue(key);

} else if (key === 'Enter') {

event.preventDefault();

calculate();

} else if (key === 'Backspace') {

display.value = display.value.slice(0, -1);

} else if (key === 'Escape') {

clearDisplay();

}

});

</script>

</body>

</html>