### Web tech

*Experiment 6*

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IT 4A

Calculator.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Calculator - JS</title>

    <!-- <link rel="stylesheet" href="style.css"> -->

    <style>

        \* {

            margin: 0;

            padding: 0;

            text-align: center;

            font-family: monospace;

            outline: none;

        }

        body {

            width: 100%;

            height: 100vh;

            display: flex;

            justify-content: center;

            align-items: center;

            background: rgb(0, 135, 255);

            background: linear-gradient(288deg, rgba(0, 135, 255, 1) 0%, rgba(154, 0, 249, 1) 100%);

        }

        .calculator-box {

            background-color: #fff;

            width: 28rem;

            height: 49rem;

            /\* border: 1px solid rgba(0, 0, 0, 0.5); \*/

            border-radius: 2rem;

            box-shadow: 1rem 1rem 3rem rgba(0, 0, 0, 0.5);

        }

        .display-area {

            width: 100%;

            height: 28.58%;

            border-bottom: 1px solid rgba(0, 0, 0, 0.1);

            position: relative;

        }

        table {

            width: 100%;

            height: 71.42%;

        }

        button {

            width: 100%;

            height: 100%;

            border: none;

            font-size: 1.75rem;

            filter: brightness(100%);

        }

        button:hover {

            filter: brightness(95%);

        }

        #divide,

        #multiply,

        #add,

        #subtract,

        #clear {

            background-color: aliceblue;

        }

        #equal {

            background-color: rgb(193, 201, 207);

            border-radius: 0 0 2rem;

        }

        #zero {

            border-radius: 0 0 0 2rem;

        }

        #display {

            text-align: right;

            font-size: 2rem;

            width: calc(100% - 1rem);

            border: none;

            outline: none;

            position: absolute;

            bottom: 0.5rem;

            right: 0.5rem;

        }

        #sec-display {

            position: absolute;

            bottom: 4rem;

            right: 0.5rem;

            width: calc(100% - 1rem);

            font-size: 1.5rem;

            color: rgba(0, 0, 0, 0.5);

            text-align: right;

        }

    </style>

    <script>

        let x;

        let sol;

        function clearSol() {

            document.getElementById("display").value = "";

            document.getElementById("sec-display").innerHTML = "";

        }

        function concat(x) {

            document.getElementById("display").value += x;

        }

        function solution() {

            document.getElementById("sec-display").innerHTML = document.getElementById("display").value;

            sol = eval(document.getElementById("display").value);

            document.getElementById("display").value = sol;

        }

    </script>

</head>

<body>

    <div class="calculator-box">

        <div class="display-area">

            <div id="sec-display"></div>

            <input type="text" id="display">

        </div>

        <table>

            <tr>

                <td colspan="3"><button id="clear" onclick="clearSol()">AC</button></td>

                <td><button id="divide" onclick="concat('/')">/</button></td>

            </tr>

            <tr>

                <td><button id="seven" value="7" onclick="concat(7)">7</button></td>

                <td><button id="eight" value="8" onclick="concat(8)">8</button></td>

                <td><button id="nine" value="9" onclick="concat(9)">9</button></td>

                <td><button id="multiply" onclick="concat('\*')">x</button></td>

            </tr>

            <tr>

                <td><button id="fout" value="4" onclick="concat(4)">4</button></td>

                <td><button id="five" value="5" onclick="concat(5)">5</button></td>

                <td><button id="six" value="6" onclick="concat(6)">6</button></td>

                <td><button id="subtract" onclick="concat('-')">-</button></td>

            </tr>

            <tr>

                <td><button id="one" value="1" onclick="concat(1)">1</button></td>

                <td><button id="two" value="2" onclick="concat(2)">2</button></td>

                <td><button id="three" value="3" onclick="concat(3)">3</button></td>

                <td><button id="add" onclick="concat('+')">+</button></td>

            </tr>

            <tr>

                <td><button id="zero" value="0" onclick="concat(0)">0</button></td>

                <td><button id="point" onclick="concat('.')">.</button></td>

                <td colspan="2"><button id="equal" type="submit" value="submit" onclick="solution()">=</button></td>

            </tr>

        </table>

    </div>

</body>

</html>

Output:

