<!-- calculaotor

<!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>Form </title>

</head>

<body>

    <form>

    <center>

    <h1>javascript Operation</h1>

    1st Number:<input type="text" id="firstNumber"> <br> <br>

    2st Number:<input type="text" id="secondNumber"> <br> <br>

    <label> Select Operators</label>

    <label> Basic Operators</label>

    <input type="button" onclick="addBy()" value="+"/>

    <input type="button" onclick="multiplyBy()" value="\*"/>

    <input type="button" onclick="subBy()" value="-">

    <input type="button" onclick="divBy()" value="/">

    <br><br>

    <label> Assignment Operators :</label>

    <input type="button" onclick="Assignment()" value="=+"><br><br>

    <label> Comparison Operators :</label>

    <input type="button" onclick="Comparison()" value="=="><br><br>

    <label> Relational Operators :</label>

    <input type="button" onclick="Relational()" value=">="><br><br>

    <label>Logical Operators</label>

    <input type="button" onclick="Logical()" value="||"><br><br>

    <hr>

    <p> The Result is:

        <span id="result"></span>

    </p>

</center>

</form>

<script>

    function addBy(){

        num1= parseInt(document.getElementById("firstNumber").value);

        num2= parseInt(document.getElementById("secondNumber").value);

        document.getElementById("result").innerHTML=num1+num2;

    }

    function multiplyBy(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumber").value;

        document.getElementById("result").innerHTML=num1\*num2;

    }

    function subBy(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumber").value;

        document.getElementById("result").innerHTML=num1-num2;

    }

    function divBy(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumber").value;

        document.getElementById("result").innerHTML=num1/num2;

    }

    function Assignment(){

        num1= parseInt(document.getElementById("firstNumber").value);

        num2= parseInt(document.getElementById("secondNumber").value);

        document.getElementById("result").innerHTML=num=+num2;

    }

    function Comparison(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumberr").value;

        document.getElementById("result").innerHTML=num1!=num2;

    }

    function Relational(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumber").value;

        document.getElementById("result").innerHTML=num1>num2;

    }

    function Logical(){

        num1= document.getElementById("firstNumber").value;

        num2= document.getElementById("secondNumber").value;

        document.getElementById("result").innerHTML=num1+num2 || num1+num2;

    }

</script>

</body>

</html>

-->

<!-- form validationn

<!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>log</title>

</head>

<body>

    <h2>Login page</h2>

    <form>

        Name:

        <input type="text" id="txtname" required placeholder="Enter Name" value="">

        <br><br>

        Mobile number:

        <input type="number" id="num" required placeholder="Enter mobile number" value="">

        <br><br>

        password:

        <input type="password" id="pwd" required placeholder="Enter password" value="">

        <br><br>

        Confirm password:

        <input type="password" id="cpwd" required placeholder="Re-type the password" value="">

        <br><br>

        <input type="button" id="btn" value="submit" onclick="fnDisplay()">

    </form>

    <script>

        function fnDisplay(){

            var v1=document.getElementById("txtname").value;

            var v2=document.getElementById("num").value;

            var v3=document.getElementById("pwd").value;

            var v4=document.getElementById("cpwd").value;

            if(v1==null || v1==""){

                alert("Please enter ur name")

            }

            else if(v2.length<10){

                alert("Mobile number must be 10 digit")

            }

            else if(v3==v4){

                alert("match")

            }

                else{

                    alert("error")

                }

        }

    </script>

    <a href="c.html">reset

        password</a>

</body>

</html>

 -->

<!-- LOOPS IMPLEMENTATION

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Loop Examples with User Input</title>

    <style>

        body {

            font-family: Arial, sans-serif;

        }

        #results {

            margin-top: 20px;

        }

    </style>

</head>

<body>

    <h1>Loop Examples in JavaScript</h1>

    <label for="numberInput">Enter numbers (comma-separated):</label>

    <input type="text" id="numberInput" placeholder="1, 2, 3, 4, 5">

    <button onclick="processNumbers()">Process Numbers</button>

    <div id="results"></div>

    <script>

        function processNumbers() {

            const input = document.getElementById('numberInput').value;

            // Split input, trim whitespace, convert to numbers, and filter out NaN values

            const numbers = input.split(',')

                .map(num => parseFloat(num.trim()))

                .filter(num => !isNaN(num));

            // Check if the numbers array is empty

            if (numbers.length === 0) {

                document.getElementById('results').innerHTML = '<p>Please enter valid numbers.</p>';

                return;

            }

            let results = '';

            // For loop: Calculate squares of numbers

            results += '<h2>For Loop Results:</h2>';

            for (let i = 0; i < numbers.length; i++) {

                results += `Square of ${numbers[i]} is ${numbers[i] \*\* 2}<br>`;

            }

            // For...in loop: Iterate through array indices

            results += '<h2>For...In Loop Results:</h2>';

            for (let index in numbers) {

                results += `Index ${index} has value ${numbers[index]}<br>`;

            }

            // For...of loop: Iterate through values in the array

            results += '<h2>For...Of Loop Results:</h2>';

            for (let number of numbers) {

                results += `Number is ${number}<br>`;

            }

            // While loop: Calculate the sum of numbers

            results += '<h2>While Loop Results:</h2>';

            let sum = 0;

            let i = 0;

            while (i < numbers.length) {

                sum += numbers[i];

                i++;

            }

            results += `The sum of the numbers is ${sum}<br>`;

            // Display results

            document.getElementById('results').innerHTML = results;

        }

    </script>

</body>

</html>

-->

<!--KEYBOARD AND MOUSE EVENTS

<!DOCTYPE html>

<html>

<body>

<h1>HTML DOM Events</h1>

<h2>The onkeydown Event</h2>

<p>Press a key in the input field:</p>

<input type="text" onkeydown="keyDownFunction()">

<p id="keyDownDemo"></p>

<h2>The onkeypress Event</h2>

<p>A function is triggered when the user is pressing a key in the input field:</p>

<input type="text" onkeypress="keyPressFunction()">

<h2>The keyup Event</h2>

<p>A function is triggered when the user releases a key in the input field.</p>

<p>The function transforms the input field to upper case:</p>

Enter your name: <input type="text" id="fname" onkeyup="keyUpFunction()">

<H2>Mouse Events </H2>

<h2>The onclick Event</h2>

<p>The onclick event triggers a function when an element is clicked on.</p>

<p>Click to trigger a function that will output "Hello World":</p>

<button onclick="clickFunction()">Click me</button>

<p id="clickDemo"></p>

<h2>The ondblclick Event</h2>

<p ondblclick="doubleClickFunction()">Double-click this paragraph to trigger a function.</p>

<p id="doubleClickDemo"></p>

<h2>The onmousedown Event</h2>

<p>Click the text below!</p>

<p id="mouseDownDemo" onmousedown="mouseDown()" onmouseup="mouseUp()">

The mouseDown() function sets the color of this text to red.

The mouseUp() function sets the color of this text to blue.

</p>

<h2>The onmouseover Event</h2>

<img onmouseover="bigImg(this)" onmouseout="normalImg(this)" border="0" src="C:\Users\Dattaraj Naik\Downloads\source.gif" alt="Smiley" width="32" height="32">

<p>The function bigImg() is triggered when the user moves the mouse pointer over the image.</p>

<p>The function normalImg() is triggered when the mouse pointer is moved out of the image.</p>

<script>

function keyDownFunction() {

  document.getElementById("keyDownDemo").innerHTML = "You pressed a key inside the input field";

}

function keyPressFunction() {

  alert("You pressed a key inside the input field");

}

function keyUpFunction() {

  let x = document.getElementById("fname");

  x.value = x.value.toUpperCase();

}

function clickFunction() {

  document.getElementById("clickDemo").innerHTML = "Hello World";

}

function doubleClickFunction() {

  document.getElementById("doubleClickDemo").innerHTML += "Hello World ";

}

function mouseDown() {

  document.getElementById("mouseDownDemo").style.color = "red";

}

function mouseUp() {

  document.getElementById("mouseDownDemo").style.color = "blue";

}

function bigImg(x) {

  x.style.height = "64px";

  x.style.width = "64px";

}

function normalImg(x) {

  x.style.height = "32px";

  x.style.width = "32px";

}

</script>

</body>

</html>

-->