TASK1

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Spinning Text</title>

<style>

#text {

font-size: 24px;

transition: transform 0.5s ease-in-out;

}

</style>

</head>

<body>

<h2 id="text">Hello</h2>

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

<button onclick="changeText()">Change Text</button>

<script>

function changeText() {

var inputText = document.getElementById("textInput").value;

if (inputText.trim() !== "") {

var textElement = document.getElementById("text");

textElement.textContent = inputText;

textElement.style.transform = "rotate(360deg)";

setTimeout(function () {

textElement.style.transform = "rotate(0deg)";

}, 500);

}

}

</script>

</body>

</html>

TASK 2

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Counter</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

}

#count {

font-size: 18px;

}

</style>

</head>

<body>

<p id="count">0</p>

<button id="incrementBtn">Increment Count</button>

<script>

const countParagraph = document.getElementById('count');

const incrementButton = document.getElementById('incrementBtn');

let count = 0;

function updateCount() {

count++;

countParagraph.textContent = count;

countParagraph.style.fontSize = count \* 2 + 'px';

}

incrementButton.addEventListener('click', updateCount);

</script>

</body>

</html>

TASK 3

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Counter with List</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

}

#countList {

list-style-type: none;

padding: 0;

}

.countItem {

font-size: 18px;

}

</style>

</head>

<body>

<ul id="countList"></ul>

<button id="incrementBtn">Increment Count</button>

<script>

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

const incrementButton = document.getElementById('incrementBtn');

let count = 0;

function updateCount() {

count++;

const newItem = document.createElement('li');

newItem.textContent = count;

newItem.classList.add('countItem');

newItem.style.fontSize = count \* 2 + 'px';

countList.appendChild(newItem);

}

incrementButton.addEventListener('click', updateCount);

</script>

</body>

</html>

TASK 5

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Calculator</title>

</head>

<body>

<input type="text" id="num1" placeholder="Enter number">

<input type="text" id="num2" placeholder="Enter number">

<br>

<button onclick="calculate('+')">+</button>

<button onclick="calculate('-')">-</button>

<button onclick="calculate('\*')">\*</button>

<button onclick="calculate('/')">/</button>

<br>

<div id="result"></div>

<script>

function calculate(operator) {

var num1 = Number.parseInt(document.getElementById('num1').value);

var num2 = Number.parseInt(document.getElementById('num2').value);

var result;

switch (operator) {

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

result = num1 / num2;

break;

default:

result = "Invalid operator";

}

document.getElementById('result').innerText = "Result: " + result;

}

</script>

</body>

</html>

TASK 7

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Tip Calculator</title>

<style>

body {

font-family: Arial, sans-serif;

}

.container {

max-width: 400px;

margin: 0 auto;

text-align: center;

}

.input-group {

margin-bottom: 20px;

}

</style>

</head>

<body>

<div class="container">

<h1>Tip Calculator</h1>

<div class="input-group">

<label for="billAmount">Bill Amount ($):</label>

<input type="number" id="billAmount" min="0">

</div>

<div class="input-group">

<label for="tipPercentage">Tip Percentage (%):</label>

<input type="number" id="tipPercentage" min="0" max="100">

</div>

<div class="input-group">

<label for="split">Split Between:</label>

<input type="number" id="split" min="1">

</div>

<button onclick="calculateTip()">Calculate Tip</button>

<div id="result"></div>

</div>

<script>

function calculateTip() {

const billAmount = parseFloat(document.getElementById('billAmount').value);

const tipPercentage = parseFloat(document.getElementById('tipPercentage').value);

const split = parseInt(document.getElementById('split').value);

if (isNaN(billAmount) || isNaN(tipPercentage) || isNaN(split) || billAmount < 0 || tipPercentage < 0 || tipPercentage > 100 || split < 1) {

document.getElementById('result').innerText = "Please enter valid inputs.";

return;

}

const tipAmount = (billAmount \* (tipPercentage / 100)) / split;

const totalAmount = billAmount / split + tipAmount;

document.getElementById('result').innerText = `Each person should pay $${totalAmount.toFixed(2)} (${(tipAmount).toFixed(2)} tip each).`;

}

</script>

</body>

</html>

TASK 6

<html>

<head>

<style>

.container {

margin: 20px;

border: 1px solid #000;

padding: 10px;

width: 300px;

}

.box {

width: 100px;

height: 100px;

background-color: #f00;

margin-bottom: 10px;

}

</style>

</head>

<body>

<button onclick="makePage();">Click Here</button>

<script>

function makePage() {

var container = document.createElement('div');

container.classList.add('container');

for (var i = 0; i < 3; i++) {

var box = document.createElement('div');

box.classList.add('box');

container.appendChild(box);

}

document.body.appendChild(container);

}

</script>

</body>

</html>