Name : Rupika chalamalla

Section: B

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>All HTML Features</title>

<style>

body {

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

background: linear-gradient(to right, #ffecd2, #fcb69f);

margin: 0;

padding: 20px;

color: #333;

}

h1 {

text-align: center;

color: #2c3e50;

}

.grid-container {

display: grid;

grid-template-columns: 1fr 1fr;

gap: 20px;

max-width: 1200px;

margin: auto;

}

section {

background: #fff;

padding: 20px;

border-radius: 15px;

box-shadow: 0 4px 8px rgba(0,0,0,0.2);

}

h2 {

color: #2980b9;

}

input, button, select {

margin: 5px;

padding: 10px;

font-size: 16px;

border-radius: 5px;

border: 1px solid #ccc;

}

.btn {

cursor: pointer;

background-color: #3498db;

color: white;

border: none;

}

.btn:hover {

background-color: #2980b9;

}

textarea {

width: 100%;

height: 100px;

}

#bulb {

width: 50px;

height: 100px;

}

#counter {

font-size: 50px;

font-weight: bold;

margin: 20px;

}

.increase { background-color: green; color: white; }

.decrease { background-color: red; color: white; }

.reset { background-color: gray; color: white; }

.increase:hover, .decrease:hover, .reset:hover { opacity: 0.8; }

</style>

</head>

<body>

<h1>All HTML Features in One Page</h1>

<div class="grid-container">

<!-- 1. Button Color Toggle -->

<section>

<h2>1. Button Color Toggle</h2>

<button class="btn" onclick="this.style.backgroundColor = this.style.backgroundColor === 'green' ? 'red' : 'green'">Toggle Color</button>

</section>

<!-- 2. Variables & Data Types -->

<section>

<h2>2. Variables & Data Types</h2>

<p>Check the console for variable output.</p>

<script>

const str = "Hello";

let num = 42;

var bool = true;

console.log("String:", str, "Number:", num, "Boolean:", bool);

</script>

</section>

<!-- 3. Simple Calculator -->

<section>

<h2>3. Simple Calculator</h2>

<input id="num1" type="number" placeholder="First number">

<input id="num2" type="number" placeholder="Second number">

<select id="operator">

<option>+</option>

<option>-</option>

<option>\*</option>

<option>/</option>

</select>

<button class="btn" onclick="calculate()">Calculate</button>

<p id="calcResult"></p>

<script>

function calculate() {

const a = parseFloat(document.getElementById("num1").value);

const b = parseFloat(document.getElementById("num2").value);

const op = document.getElementById("operator").value;

let result = 0;

if (op === "+") result = a + b;

else if (op === "-") result = a - b;

else if (op === "\*") result = a \* b;

else if (op === "/") result = a / b;

document.getElementById("calcResult").innerText = `Result: ${result}`;

}

</script>

</section>

<!-- 4. Digital Clock -->

<section>

<h2>4. Digital Clock</h2>

<h3 id="clock"></h3>

<script>

setInterval(() => {

document.getElementById("clock").innerText = new Date().toLocaleTimeString();

}, 1000);

</script>

</section>

<!-- 5. Light Bulb Toggle -->

<section>

<h2>5. Light Bulb Toggle</h2>

<img id="bulb" src="https://www.w3schools.com/js/pic\_bulboff.gif">

<br/>

<button class="btn" onclick="toggleBulb()">Toggle Bulb</button>

<script>

let isOn = false;

function toggleBulb() {

isOn = !isOn;

document.getElementById("bulb").src = isOn

? "https://www.w3schools.com/js/pic\_bulbon.gif"

: "https://www.w3schools.com/js/pic\_bulboff.gif";

}

</script>

</section>

<!-- 6. Show/Hide Password -->

<section>

<h2>6. Show/Hide Password</h2>

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

<button class="btn" onclick="togglePassword()">Show/Hide</button>

<script>

function togglePassword() {

const pwd = document.getElementById("pwd");

pwd.type = pwd.type === "password" ? "text" : "password";

}

</script>

</section>

<!-- 7. Registration Form -->

<section>

<h2>7. Registration Form</h2>

<form onsubmit="event.preventDefault(); alert('Registered!');">

<input type="text" placeholder="Name" required>

<input type="email" placeholder="Email" required>

<button class="btn" type="submit">Register</button>

</form>

</section>

<!-- 8. Journal App -->

<section>

<h2>8. Journal App</h2>

<textarea id="journal" placeholder="Write something..."></textarea>

<button class="btn" onclick="saveJournal()">Save</button>

<p id="savedText"></p>

<script>

function saveJournal() {

const entry = document.getElementById("journal").value;

document.getElementById("savedText").innerText = `Saved: ${entry}`;

}

</script>

</section>

<!-- 9. User Preferences -->

<section>

<h2>9. User Preferences</h2>

<label>Select Theme:

<select onchange="changeTheme(this.value)">

<option value="light">Light</option>

<option value="dark">Dark</option>

</select>

</label>

<script>

function changeTheme(theme) {

document.body.style.background = theme === "dark"

? "#222"

: "linear-gradient(to right, #ffecd2, #fcb69f)";

document.body.style.color = theme === "dark" ? "#eee" : "#333";

}

</script>

</section>

<!-- 10. Feedback Form -->

<section>

<h2>10. Feedback Form</h2>

<textarea id="feedback" placeholder="Your feedback..."></textarea>

<button class="btn" onclick="submitFeedback()">Submit</button>

<p id="feedbackMessage"></p>

<script>

function submitFeedback() {

const feedback = document.getElementById("feedback").value;

document.getElementById("feedbackMessage").innerText = `Thanks for your feedback: ${feedback}`;

}

</script>

</section>

<!-- 11. Placeholder -->

<section>

<h2>11. Placeholder Section</h2>

<p>More features coming soon!</p>

</section>

<!-- 12. Counter App -->

<section>

<h2>12. Counter App</h2>

<div id="counter">0</div>

<button class="increase" onclick="increaseCounter()">Increase</button>

<button class="decrease" onclick="decreaseCounter()">Decrease</button>

<button class="reset" onclick="resetCounter()">Reset</button>

<script>

let count = 0;

function increaseCounter() {

count++;

document.getElementById("counter").innerHTML = count;

}

function decreaseCounter() {

count--;

document.getElementById("counter").innerHTML = count;

}

function resetCounter() {

count = 0;

document.getElementById("counter").innerHTML = count;

}

</script>

</section>

</div>

</body>

</html>