**TASK----6(A)**

<html>

<head>

<title>Internal and External JavaScript Demonstration</title>

<script>

// Internal JavaScript

function showInternalMessage() {

alert('This is an internal JavaScript alert!');

}

</script>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<h1>Internal and External JavaScript Demonstration</h1>

</header>

<main>

<section>

<h2>Internal JavaScript Example</h2>

<button onclick="showInternalMessage()">Click for Internal JavaScript</button>

</section>

<section>

<h2>External JavaScript Example</h2>

<button onclick="showExternalMessage()">Click for External JavaScript</button>

</section>

</main>

<footer>

<p>&copy; 2024 JavaScript Demonstration Examples. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

**---------Script.js---------**

function showExternalMessage() {

alert('This is an external JavaScript alert!');

}

**TASK----6(B)**

<html>

<head>

<title>Different Ways to Display Output</title>

<script>

// Method 1: Using alert

function showAlert() {

alert('This is an alert box!');

}

// Method 2: Using console.log

function logToConsole() {

Console.log('This message is logged to the console.');

}

// Method 3: Using document.write

function writeToDocument() {

document.write('<p>This is output written directly to the document.</p>');

}

// Method 4: Using innerHTML

function updateInnerHTML() {

document.getElementById('output').innerHTML = 'This text is displayed using innerHTML.';

}

// Method 5: Using DOM Manipulation

function createNewElement() {

const newElement = document.createElement('p');

newElement.textContent = 'This is a new paragraph created using DOM manipulation.';

document.getElementById('output-container').appendChild(newElement);

}

</script>

</head>

<body>

<header>

<h1>Different Ways to Display Output</h1>

</header>

<main>

<section>

<h2>Output Methods</h2>

<button onclick="showAlert()">Show Alert</button>

<button onclick="logToConsole()">Log to Console</button>

<button onclick="writeToDocument()">Write to Document</button>

<button onclick="updateInnerHTML()">Update innerHTML</button>

<button onclick="createNewElement()">Create New Element</button>

</section>

<section>

<h2>Output Area</h2>

<div id="output-container">

<p id="output">Output will be displayed here.</p>

</div>

</section>

</main>

<footer>

<p>&copy; 2024 Output Demonstration Examples. All rights reserved.</p>

</footer>

</body>

</html>

**TASK----6(C)**

<html>

<head>

<title>Different Ways to Take Input</title>

<script>

// Method 1: Using prompt

function takeInputWithPrompt() {

const userInput = prompt('Please enter your name:');

alert('You entered: ' + userInput);

}

// Method 2: Using HTML Input Field (Text)

function takeInputFromTextField() {

const userInput = document.getElementById('textInput').value;

alert('You entered: ' + userInput);

}

// Method 3: Using HTML Input Field (Checkbox)

function takeInputFromCheckbox() {

const isChecked = document.getElementById('checkboxInput').checked;

alert('Checkbox is ' + (isChecked ? 'checked' : 'unchecked'));

}

// Method 4: Using HTML Input Field (Radio Buttons)

function takeInputFromRadio() {

const radios = document.getElementsByName('radioInput');

let selectedValue = '';

for (const radio of radios) {

if (radio.checked) {

selectedValue = radio.value;

break;

}

}

alert('Selected value: ' + selectedValue);

}

// Method 5: Using HTML Input Field (Dropdown)

function takeInputFromDropdown() {

const selectedValue = document.getElementById('dropdownInput').value;

alert('Selected value: ' + selectedValue);

}

</script>

</head>

<body>

<header>

<h1>Different Ways to Take Input</h1>

</header>

<main>

<section>

<h2>Input Methods</h2>

<button onclick="takeInputWithPrompt()">Take Input with Prompt</button>

<div>

<label for="textInput">Text Input:</label>

<input type="text" id="textInput" placeholder="Enter some text">

<button onclick="takeInputFromTextField()">Submit Text Input</button>

</div>

<div>

<label for="checkboxInput">

<input type="checkbox" id="checkboxInput"> Check me

</label>

<button onclick="takeInputFromCheckbox()">Submit Checkbox Input</button>

</div>

<div>

<p>Radio Input:</p>

<label><input type="radio" name="radioInput" value="Option 1"> Option 1</label><br>

<label><input type="radio" name="radioInput" value="Option 2"> Option 2</label><br>

<button onclick="takeInputFromRadio()">Submit Radio Input</button>

</div>

<div>

<label for="dropdownInput">Dropdown Input:</label>

<select id="dropdownInput">

<option value="Option A">Option A</option>

<option value="Option B">Option B</option>

<option value="Option C">Option C</option>

</select>

<button onclick="takeInputFromDropdown()">Submit Dropdown Input</button>

</div>

</section>

</main>

<footer>

<p>&copy; 2024 Input Demonstration Examples. All rights reserved.</p>

</footer>

</body>

</html>

**TASK----6(D)**

<html>

<head>

<title>Voter Eligibility Check</title>

<script>

function checkVoterEligibility() {

const name = prompt("Please enter your name:");

const age = prompt("Please enter your age:");

let eligibility = "Not Eligible to Vote";

if (age >= 18) {

eligibility = "Eligible to Vote";

}

// Populate the table with voter details

document.getElementById("voterName").textContent = name;

document.getElementById("voterAge").textContent = age;

document.getElementById("voterEligibility").textContent = eligibility;

}

</script>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

line-height: 1.6;

}

table {

width: 50%;

margin: 20px auto;

border-collapse: collapse;

}

table, th, td {

border: 1px solid #333;

}

th, td {

padding: 10px;

text-align: center;

}

button {

display: block;

margin: 20px auto;

padding: 10px 20px;

font-size: 16px;

}

</style>

</head>

<body>

<header>

<h1 style="text-align: center;">Voter Eligibility Check</h1>

</header>

<main>

<button onclick="checkVoterEligibility()">Check Voter Eligibility</button>

<table>

<thead>

<tr>

<th>Name</th>

<th>Age</th>

<th>Eligibility</th>

</tr>

</thead>

<tbody>

<tr>

<td id="voterName">-</td>

<td id="voterAge">-</td>

<td id="voterEligibility">-</td>

</tr>

</tbody>

</table>

</main>

<footer>

<p style="text-align: center;">&copy; 2024 Voter Eligibility Checker. All rights reserved.</p>

</footer>

</body>

</html>