**JavaScript - Tutorial**

01)

<!DOCTYPE html>

<html>

<head>

<title>Pop-up Message Box</title>

</head>

<body>

<h1>Click the button to display the pop-up message box</h1>

<button onclick="showMessageBox()">Click Me!</button>

<script>

function showMessageBox() {

alert("Hello! This is a pop-up message box.");

}

</script>

</body>

</html>

02)

Sure! Below is the JavaScript code to get 5 marks from the user, calculate the total and average, and display the output along with the appropriate message based on the average:

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Mark Calculator</title>

</head>

<body>

<h1>Mark Calculator</h1>

<label for="mark1">Enter Mark 1:</label>

<input type="number" id="mark1" required><br>

<label for="mark2">Enter Mark 2:</label>

<input type="number" id="mark2" required><br>

<label for="mark3">Enter Mark 3:</label>

<input type="number" id="mark3" required><br>

<label for="mark4">Enter Mark 4:</label>

<input type="number" id="mark4" required><br>

<label for="mark5">Enter Mark 5:</label>

<input type="number" id="mark5" required><br>

<button onclick="calculateMarks()">Calculate Grades</button>

<script>

function calculateMarks() {

const mark1 = parseFloat(document.getElementById("mark1").value);

const mark2 = parseFloat(document.getElementById("mark2").value);

const mark3 = parseFloat(document.getElementById("mark3").value);

const mark4 = parseFloat(document.getElementById("mark4").value);

const mark5 = parseFloat(document.getElementById("mark5").value);

const totalMarks = mark1 + mark2 + mark3 + mark4 + mark5;

const average = totalMarks / 5;

alert(`Total Marks: ${totalMarks}\nAverage: ${average.toFixed(2)}`);

if (average > 30) {

alert("Congrats! You passed.");

} else {

alert("Better luck next time.");

}

}

</script>

</body>

</html>

