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Lab 07

01.

```html
<!DOCTYPE html>
<html>
<head>
   <title>Pop-up Message Box</title>
</head>
<body>
   <!-- Button to trigger the pop-up message box -->
   <button onclick="showPopUp()">Button</button>

   <!-- JavaScript code to display the pop-up message box -->
   <script>
     function showPopUp() {
        alert("Hello, I am the pop-up message box!");
     }
   </script>
</body>
</html>
```

02.

```html
<!DOCTYPE html>
<html>
<head>
```

```html
    <title>Grade Calculation</title>
</head>
<body>
    <h2>Enter 5 marks:</h2>
    <input type="number" id="mark1" placeholder="Mark 1">
    <input type="number" id="mark2" placeholder="Mark 2">
    <input type="number" id="mark3" placeholder="Mark 3">
    <input type="number" id="mark4" placeholder="Mark 4">
    <input type="number" id="mark5" placeholder="Mark 5">
    <button onclick="calculateGrade()">Grade</button>

    <script>
        function calculateGrade() {
            // Get the input values from the user
            var mark1 = parseFloat(document.getElementById("mark1").value);
            var mark2 = parseFloat(document.getElementById("mark2").value);
            var mark3 = parseFloat(document.getElementById("mark3").value);
            var mark4 = parseFloat(document.getElementById("mark4").value);
            var mark5 = parseFloat(document.getElementById("mark5").value);

            // Calculate the total and average of the marks
            var total = mark1 + mark2 + mark3 + mark4 + mark5;
            var average = total / 5;

            // Display the total and average
            console.log("Total marks: " + total);
            console.log("Average marks: " + average);
```

```
    // Check if the average is greater than 30 and display the alert message accordingly

    if (average > 30) {

        alert("Congrats! You passed.");

    } else {

        alert("Better luck next time.");

    }

}

</script>

</body>

</html>
```