JavaScript - Tutorial

01.
```html
<html>
  <head>
    <title>Popup Message Box</title>
  </head>
  <body>
    <button onclick="showAlert()">Button</button>
    <script>
       function showAlert()
       {
          window.alert("This is an alert");
       }
    </script>
  </body>
</html>
```

02.
```html
<html>
  <head>
    <title>Calculate Marks</title>
  </head>
  <body>
    <label for="mark1">Mark 1:</label>
    <input type="number" id="mark1" required><br>
    <label for="mark2">Mark 2:</label>
    <input type="number" id="mark2" required><br>
    <label for="mark3">Mark 3:</label>
    <input type="number" id="mark3" required><br>
    <label for="mark4">Mark 4:</label>
    <input type="number" id="mark4" required><br>
    <label for="mark5">Mark 5:</label>
    <input type="number" id="mark5" required><br>
    <button onclick="calculateMarks()">Calculate Grade</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 averageMarks = totalMarks / 5;
        alert(`Total Marks: ${totalMarks}\nAverage Marks: ${averageMarks}`);
```

```
        if (averageMarks > 30) {

            alert("Congrats! You passed.");

        } else {
            alert("Better luck next time.");
        }
    }
  </script>
</body>
</html>
```