1)

<html>

<head>

<title>Microsoft Internet Explorer</title>

</head>

<body>

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

<button onclick="displayMessage()">Button</button>

<script>

function displayMessage() {

alert("This is a alert.");

}

</script>

</body>

</html>

2)

<html>

<head>

<title>Grade Calculator</title>

</head>

<body>

<h1>Grade Calculator</h1>

<p>Enter 5 marks:</p>

<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">

<br>

<button onclick="calculateGrade()">Calculate Grade</button>

<script>

function calculateGrade() {

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);

var total = mark1 + mark2 + mark3 + mark4 + mark5;

var average = total / 5;

alert("Total marks: " + total + "\nAverage marks: " + average.toFixed(2));

if (average > 30) {

alert("Congrats! You passed");

} else {

alert("Better luck next time");

}

}

</script>

</body>

</html>