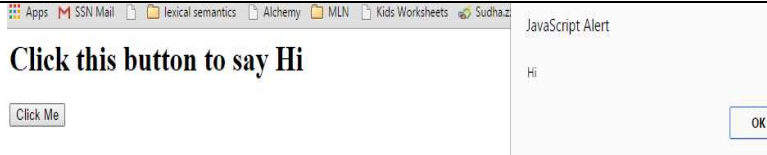
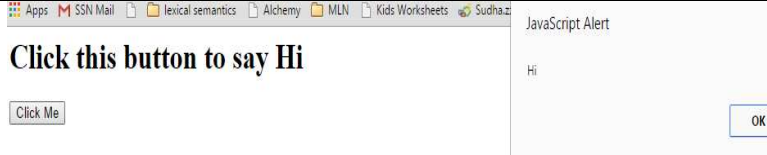

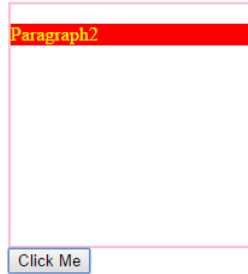
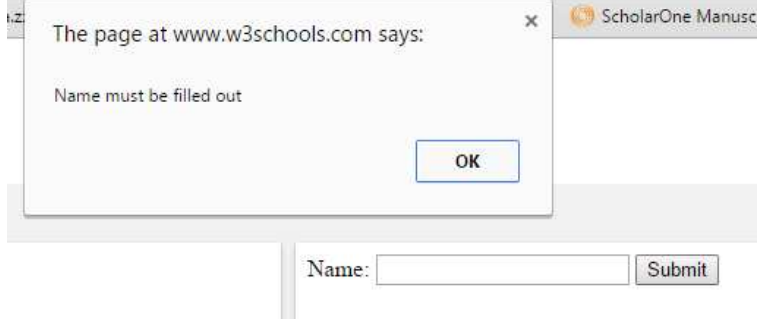


# Javascript

SNo	Events	Example	Purpose
1	alert method of window class	<pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt;   function fun1()   {     window.alert("Hi");   } &lt;/script&gt; &lt;/head&gt; &lt;body&gt; &lt;h1&gt; Click this button to say Hi&lt;/h1&gt; &lt;button onclick="fun1()"&gt;Click Me&lt;/button&gt; &lt;/body&gt; &lt;/html&gt; </pre>	 <p>The screenshot shows a web browser window with a title bar containing icons for 'Apps', 'SSN Mail', 'lexical semantics', 'Alchemy', 'MLN', 'Kids Worksheets', and 'Sudha'. The main content area displays the text 'Click this button to say Hi' in a large, bold font. Below this text is a button labeled 'Click Me'. An alert dialog box titled 'JavaScript Alert' is open, displaying the message 'Hi' and an 'OK' button.</p>
2	External Script	<p><b>externscript.html</b></p> <pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript" src="externscript.js"&gt;  &lt;/script&gt; &lt;/head&gt; &lt;body&gt; &lt;h1&gt; Click this button to say Hi&lt;/h1&gt; &lt;button onclick="fun1()"&gt;Click Me&lt;/button&gt; &lt;/body&gt; &lt;/html&gt; </pre> <p><b>externscript.js</b></p> <pre> function fun1() { </pre>	 <p>The screenshot is identical to the one in the first row, showing a web browser window with the text 'Click this button to say Hi', a 'Click Me' button, and a 'JavaScript Alert' dialog box displaying 'Hi'.</p>

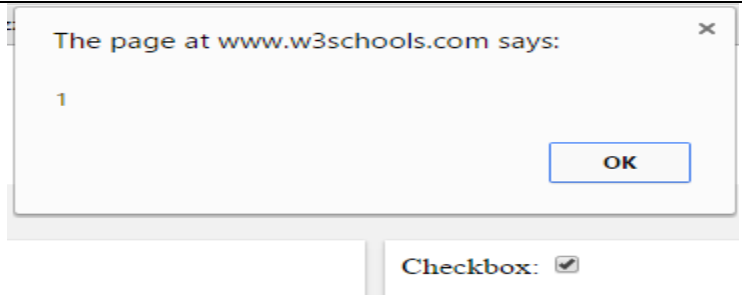
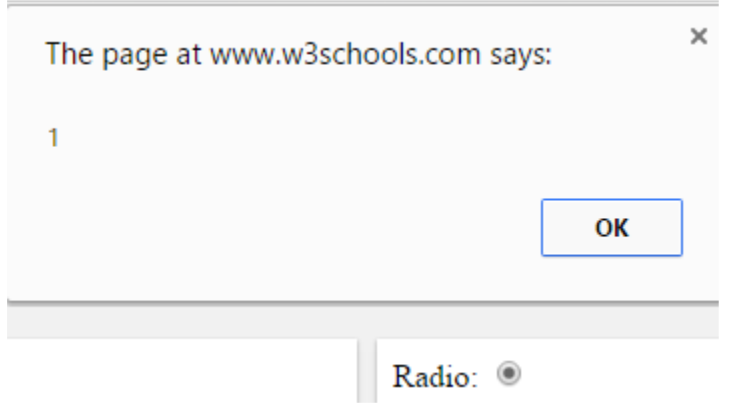
		<pre> window.alert("Hi"); } </pre>	
3	innerHTML to change the content of the element	<pre> &lt;html&gt; &lt;head&gt;   &lt;script type="text/javascript"&gt;     function fun2(pid1)     {       document.getElementById(pid1).innerHTML="Paragraph1 content changed";     }   &lt;/script&gt; &lt;/head&gt; &lt;body&gt;   &lt;h1&gt; Click me to change following content&lt;/h1&gt;   &lt;p id="p1"&gt;Paragraph1&lt;/p&gt;   &lt;button onclick="fun2('p1')"&gt;Click Me&lt;/button&gt;&lt;br&gt;&lt;br&gt; &lt;/body&gt; &lt;/html&gt; </pre>	<p><b>Click me to change following content</b></p> <p>Paragraph1 content changed</p> <p><input type="button" value="Click Me"/></p>
4	Onclick event of button	<pre> &lt;html&gt; &lt;head&gt;   &lt;script type="text/javascript"&gt;     function fun3(imageid)     {       document.getElementById(imageid).src="bulboff.jpg";     }      function fun4(imageid)     {       document.getElementById(imageid).src="bulbon.png";     }   &lt;/script&gt; &lt;/head&gt; &lt;body&gt;   &lt;img id="img1" src="bulbon.png"/&gt;&lt;br&gt;&lt;br&gt;   &lt;button onclick="fun3('img1')"&gt;Bulb Off&lt;/button&gt; &amp;nbsp;   &lt;button onclick="fun4('img1')"&gt;Bulb On&lt;/button&gt;&lt;br&gt;&lt;br&gt; </pre>	 <p><input type="button" value="Bulb Off"/> <input type="button" value="Bulb On"/></p>


		<pre> &lt;/body&gt; &lt;/html&gt; </pre>	
5	Change the style of text	<pre> &lt;html&gt; &lt;head&gt;   &lt;script type="text/javascript"&gt;     function fun5(pid2)     {       document.getElementById(pid2).style.backgroundColor="red";       document.getElementById(pid2).style.color="yellow";     }   &lt;/script&gt; &lt;/head&gt; &lt;body&gt;   &lt;h1&gt; Click me to change style of following content&lt;/h1&gt;   &lt;div class="b1"&gt;     &lt;p id="p2"&gt;Paragraph2&lt;/p&gt;   &lt;/div&gt;   &lt;button onclick="fun5('p2')"&gt;Click Me&lt;/button&gt;&lt;br&gt;&lt;br&gt; &lt;/body&gt; &lt;/html&gt; </pre>	<p><b>Click me to change style of following content</b></p>  <p>The screenshot shows a web browser window. At the top, there is a red rectangular box with the text 'Paragraph2' in yellow. Below this box is a blue button with the text 'Click Me'.</p>
6	To validate form	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;script&gt; function validateForm() {   var x = document.forms["myForm"]["fname"].value;   if (x == null    x == "") {     alert("Name must be filled out");     return false;   } } &lt;/script&gt; &lt;/head&gt; &lt;body&gt; </pre>	 <p>The screenshot shows a web browser window with a form validation error. A dialog box is displayed with the text 'The page at www.w3schools.com says: Name must be filled out' and an 'OK' button. Below the dialog box, there is a form with a label 'Name:' followed by an empty text input field and a 'Submit' button.</p>

		<pre> &lt;form name="myForm" action="demo_form.asp" onsubmit="return validateForm()" method="post"&gt; Name: &lt;input type="text" name="fname"&gt; &lt;input type="submit" value="Submit"&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt; </pre>	
7	To validate number	<pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt; function myclick() { var acTest=new RegExp("^\\d*\$"); var n1=document.getElementById('n').value; if(acTest.test(n1))     window.alert(n1 + "is valid"); else     window.alert(n1 + "is not valid"); } &lt;/script&gt; &lt;/head&gt; &lt;input type="text" name="na" id="n"&gt;&lt;/input&gt; &lt;input type="button" value="Click Me" onclick="myclick()"&gt;  &lt;/html&gt; </pre>	Accept number with any number of digits
8	To accept the number using pattern	<pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt; function myclick() { var acTest=new RegExp("^\\d{4}\\-\\d{4}\\-\\d{4}\\-\\d{4}\$"); var n1=document.getElementById("n").value; if(acTest.test(n1))     window.alert(n1 + "is valid"); } </pre>	<p>Accept</p> <p>1234-5678-9012-3456</p>

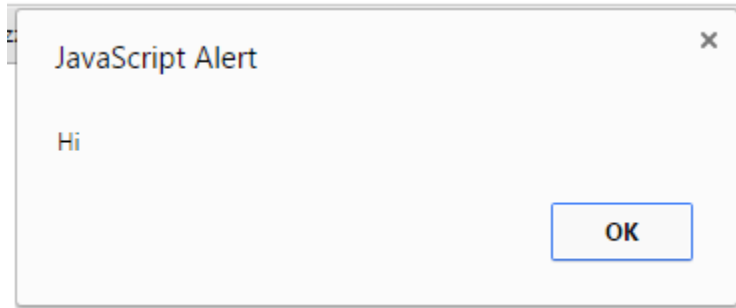
		<pre> else     window.alert(n1 + "is not valid"); } &lt;/script&gt; &lt;/head&gt; &lt;input type="text" name="na" id="n"&gt;&lt;/input&gt; &lt;input type="button" value="Click Me" onclick="myclick()"&gt; &lt;/html&gt; </pre>	
9	To accept the set of characters using pattern	<pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt; function myclick() { var acTest=new RegExp("^\\w*\$"); var n1=document.getElementById("n").value; if(acTest.test(n1))     window.alert(n1 + "is valid"); else     window.alert(n1 + "is not valid"); } &lt;/script&gt; &lt;/head&gt; &lt;input type="text" name="na" id="n"&gt;&lt;/input&gt; &lt;input type="button" value="Click Me" onclick="myclick()"&gt; &lt;/html&gt; </pre>	Accept set of characters
10	To validate email address	<pre> &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt; function myclick() { var acTest=new RegExp("^\\w*\\d*@\\w*\\.\\w*\$"); var n1=document.getElementById("n").value; if(acTest.test(n1))     window.alert(n1 + "is valid"); else     window.alert(n1 + "is not valid"); } </pre>	Accept email address

		<pre> } &lt;/script&gt; &lt;/head&gt; &lt;input type="text" name="na" id="n"&gt;&lt;/input&gt; &lt;input type="button" value="Click Me" onclick="myclick()"&gt; &lt;/html&gt; </pre>	
11	Onchange event (select)	<pre> &lt;html&gt; &lt;body&gt;  &lt;p&gt;Select a new car from the list.&lt;/p&gt; &lt;select id="mySelect" onchange="myFunction()"&gt;   &lt;option value="Audi"&gt;Audi   &lt;option value="BMW"&gt;BMW   &lt;option value="Mercedes"&gt;Mercedes   &lt;option value="Volvo"&gt;Volvo &lt;/select&gt; &lt;p&gt;When you select a new car, a function is triggered which outputs the value of the selected car.&lt;/p&gt; &lt;p id="demo"&gt;&lt;/p&gt; &lt;script&gt; function myFunction() {   var x = document.getElementById("mySelect").value;   document.getElementById("demo").innerHTML = "You selected: " + x; } &lt;/script&gt; &lt;/body&gt; &lt;/html&gt; </pre>	<p>Select a new car from the list.</p> <div> <div>BMW</div> <div>▼</div> </div> <p>When you select a new car, a function is triggered which outputs the value of the selected car.</p> <p>You selected: BMW</p>

12	Onchange event (check box)	<pre> &lt;script&gt; function check() {     if (document.getElementById("myCheck").checked = true)  window.alert(document.getElementById("myCheck").value); } function uncheck() {     document.getElementById("myCheck").checked = false; } } &lt;/script&gt; </pre>	
13	Onchange event (radio button)	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;script type="text/javascript"&gt; function check() {     if (document.getElementById("myCheck").checked = true)  window.alert(document.getElementById("myCheck").value); } &lt;/script&gt; &lt;/head&gt; &lt;body&gt; Radio: &lt;input type="radio" value="1" id="myCheck" onchange="check()"&gt;  &lt;/body&gt; &lt;/html&gt; </pre>	

14	Mousemove event	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;script&gt; function myFunction(e) {   var x = e.clientX;   var y = e.clientY;   var coor = "Coordinates: (" + x + "," + y + ")";   document.getElementById("demo").innerHTML = coor; }  function clearCoor() {   document.getElementById("demo").innerHTML = ""; } &lt;/script&gt;  &lt;style&gt; div {   width: 200px;   height: 100px;   border: 1px solid black; } &lt;/style&gt; &lt;/head&gt; &lt;body&gt;  &lt;div onmousemove="myFunction(event)" onmouseout="clearCoor()"&gt;&lt;/div&gt;  &lt;p&gt;Mouse over the rectangle above, and get the coordinates of your mouse pointer.&lt;/p&gt;  &lt;p&gt;When the mouse is moved over the div, the p element will display the horizontal and vertical coordinates of your mouse pointer, whose values are returned from the clientX and clientY properties on the </pre>	 <p>Mouse over the rectangle above, and</p> <p>When the mouse is moved over the</p> <p>Coordinates: (86,46)</p>
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		<p>MouseEvent object.&lt;/p&gt;</p> <p>&lt;p id="demo"&gt;&lt;/p&gt;</p> <p>&lt;/body&gt;</p> <p>&lt;/html&gt;</p>	
15	Onblur event	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;body&gt;  Enter your name: &lt;input type="text" id="fname" onblur="myFunction()"&gt;  &lt;p&gt;When you leave the input field, a function is triggered which transforms the input text to upper case.&lt;/p&gt;  &lt;script&gt; function myFunction() {   var x = document.getElementById("fname");   x.value = x.value.toUpperCase(); } &lt;/script&gt;  &lt;/body&gt; &lt;/html&gt;</pre>	<p>Enter your name: <input type="text" value="PRABA"/></p> <p>When you leave the input field, a function is triggered which transforms the input text to upper case.</p>
16	Onload event	<pre>&lt;html&gt; &lt;head&gt; &lt;script&gt; function fun1() {   window.alert("Hi"); } &lt;/script&gt; &lt;/head&gt;</pre>	

		<code>&lt;body onload="fun1()"&gt;</code> <code>&lt;/body&gt;</code> <code>&lt;/html&gt;</code>	
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