

MOUSE EVENTS

IN THIS LESSON

`onclick()`

`onmousedown()`

`onmouseup()`

`onmouseover()`

`onmouseout()`

ONCLICK

When used from inside HTML, these are called inline event handlers

Set as an attribute of any clickable HTML element

Runs the JavaScript in the attribute value anytime the element it is set on is clicked

Typically, use it to call a function

```
<h1 onclick="changeBackground();">Click Me</h1>
```

<> onclick.html X

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  | ....<meta charset="utf-8" />
5  | ....<title>Onclick Demo</title>
6  </head>
7  <body>
8  | ....<h1 onclick="changeBackground();">Click Me</h1>
9
10 | ....<script>
11 | | ....function changeBackground() {
12 | | | ....const h1 = document.getElementsByTagName('h1')[0];
13 | | | ....h1.style.background = 'orange';
14 | | | ....}
15 | ....</script>
16 </body>
17 </html>
```

Click Me

ONMOUSEDOWN & ONMOUSEUP

onmousedown: mouse button has been clicked down

onmouseup: mouse button has been released

<> onmousedownup.html X

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="utf-8" />
5  |   <title>Onmousedown & Onmouseup Demo</title>
6  </head>
7  <body>
8  |   <h1 onmousedown="changeBackground();" onmouseup="revertBackground()">Click Me</h1>
9
10 |   <script>
11 |       |   const h1 = document.getElementsByTagName('h1')[0];
12 |
13 |       |   function changeBackground() {
14 |       |       |   h1.style.background = 'orange';
15 |       |       |   }
16 |       |   function revertBackground() {
17 |       |       |   h1.style.background = 'white';
18 |       |       |   }
19 |   </script>
20 </body>
```

ONMOUSEOVER & ONMOUSEOUT

onmouseover: start hovering over an element with your mouse

onmouseout: move off the element that you are hovering over

<> onmouseoverout.html X

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="utf-8" />
5  |   <title>Onmouseover & Onmouseout Demo</title>
6  |   <style>
7  |   |   div {
8  |   |   |   font-size: 24px;
9  |   |   }
10 |   </style>
11 </head>
12 <body>
13 |   <div onmouseover="changeBackground('red');" onmouseout="changeBackground('yellow');">
14 |   |   Move your mouse over this text, then move it out
15 |   </div>
16
17 |   <script>
18 |   |   function changeBackground(newColor) {
19 |   |   |   document.getElementsByTagName('div')[0].style.background = newColor;
20 |   |   }
21 |   </script>
22 </body>
23 </html>

```

Move your mouse over this text, then move it out

Move your mouse over this text, then move it out

