

onmouseover Event :

Definition and Usage

The onmouseover event occurs when the mouse pointer is moved onto an element, or onto one of its children.

Tip: This event is often used together with the onmouseout event, which occurs when a user moves the mouse pointer out of an element.

Syntax

In HTML:

```
<element onmouseover="myScript">
```

In JavaScript:

```
object.onmouseover = function(){myScript};
```

In JavaScript, using the addEventListener() method:

```
object.addEventListener("mouseover", myScript);
```

Program

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
width: 100px;
```

```
height: 100px;
```

```
border: 1px solid black;
```

```
margin: 10px;
```

```
float: left;
```

```
padding: 30px;
text-align: center;
background-color: lightgray;
}
```

```
p {
  background-color: white;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h3>This example demonstrates the onmouseover.</h3>
```

```
<p>The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).</p>
```

```
<div onmouseover="myOverFunction()">
  <p>onmouseover: <br> <span id="demo3">Mouse over me!</span></p>
</div>
```

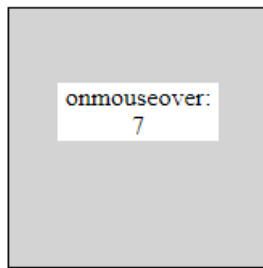
```
<script>
var y = 0;
function myOverFunction() {
  document.getElementById("demo3").innerHTML = y+=1;
}
</script>
```

```
</body>
```

```
</html>
```

This example demonstrates the onmouseover.

The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).



onmousemove Event

Definition and Usage

The onmousemove event occurs when the pointer is moving while it is over an element.

Syntax

In HTML:

```
<element onmousemove="myScript">
```

In JavaScript:

```
object.onmousemove = function(){myScript};
```

In JavaScript, using the addEventListener() method:

```
object.addEventListener("mousemove", myScript);
```

Program:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
width: 100px;
height: 100px;
border: 1px solid black;
margin: 10px;
float: left;
padding: 30px;
text-align: center;
background-color: lightgray;
}
```

```
p {
  background-color: white;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h3>This example demonstrates the difference between onmousemove</h3>
```

```
<p>The onmousemove event occurs every time the mouse pointer is moved over the div
element.</p>
```

```
<div onmousemove="myMoveFunction()">
```

```
  <p>onmousemove: <br> <span id="demo">Mouse over me!</span></p>
```

```
</div>
```

```
<script>
```

```
var z = 0;
```

```
function myMoveFunction() {
```

```
  document.getElementById("demo").innerHTML = z+=1;
```

```
}
```

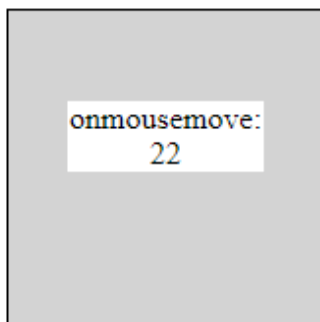
```
</script>
```

```
</body>
```

```
</html>
```

This example demonstrates the difference between onmousemove

The onmousemove event occurs every time the mouse pointer is moved over the div element.



onmouseout Event

Definition and Usage

The onmouseout event occurs when the mouse pointer is moved out of an element, or out of one of its children.

Tip: This event is often used together with the onmouseover event, which occurs when the pointer is moved onto an element, or onto one of its children.

Syntax

In HTML:

```
<element onmouseout="myScript">
```

In JavaScript:

```
object.onmouseout = function(){myScript};
```

In JavaScript, using the `addEventListener()` method:

```
object.addEventListener("mouseout", myScript);
```

Program:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
    width: 100px;
```

```
    height: 100px;
```

```
    border: 1px solid black;
```

```
    margin: 10px;
```

```
    float: left;
```

```
    padding: 30px;
```

```
    text-align: center;
```

```
    background-color: lightgray;
```

```
}
```

```
p {
```

```
    background-color: white;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h3>This example demonstrates the onmouseout.</h3>
```

<p>The onmouseout event occurs when the mouse pointer is moved out of the div element, and when it

leaves its child elements</p>

```
<div onmouseout="myOutFunction()">
```

```
  <p>onmouseout: <br> <span id="demo3">Mouse over and leave me!</span></p>
```

```
</div>
```

```
<script>
```

```
var y = 0;
```

```
function myOutFunction() {
```

```
  document.getElementById("demo3").innerHTML = y+=1;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

This example demonstrates the onmouseout.

The onmouseout event occurs when the mouse pointer is moved out of the div element, and when it leaves its child elements

