# HTML DOM Document addEventListener()

[< Previous]    [< Document Object Reference]    [Next >]

## Examples

Add a click event to the document:

```
document.addEventListener("click", myFunction);

function myFunction() {
  document.getElementById("demo").innerHTML = "Hello World";
}
```

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Simpler syntax:

```
document.addEventListener("click", function(){
  document.getElementById("demo").innerHTML = "Hello World";
});
```

**Try it Yourself »**

More examples below.

# Description

The `addEventListener()` method attaches an event handler to a document.

# Syntax

```
document.addEventListener(event, function, Capture)
```

# Parameters

| Parameter | Description |
| --- | --- |
| *event* | Required.<br>The event name.<br>Do not use the "on" prefix.<br>Use "click" instead of "onclick".<br><br>All HTML DOM events are listed in the:<br>HTML DOM Event Object Reference. |

| | |
|---|---|
| *function* | Required.<br>The function to run when the event occurs.<br><br>When the event occurs, an event object is passed to the function as the first parameter. The type of the event object depends on the specified event. For example, the "click" event belongs to the MouseEvent object. |
| *capture* | Optional (default = false).<br>`true` - The handler is executed in the capturing phase.<br>`false` - The handler is executed in the bubbling phase. |

# Return Value

| |
|---|
| NONE |

# More Examples

You can add many event listeners to the document:

```
document.addEventListener("click", myFunction1);
document.addEventListener("click", myFunction2);
```

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You can add different types of events:

```
document.addEventListener("mouseover", myFunction);
document.addEventListener("click", someOtherFunction);
document.addEventListener("mouseout", someOtherFunction);
```

When passing parameters, use an "anonymous function" to call a function with the parameters:

```
document.addEventListener("click", function() {
  myFunction(p1, p2);
});
```

Change the background color of the document:

```
document.addEventListener("click", function(){
  document.body.style.backgroundColor = "red";
});
```

Using the removeEventListener() method:

```
// Add an event listener
document.addEventListener("mousemove", myFunction);

// Remove event listener
document.removeEventListener("mousemove", myFunction);
```

# Browser Support

`document.addEventListener` is a DOM Level 2 (2001) feature.

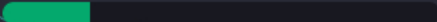It is fully supported in all browsers:

| Chrome | Edge | Firefox | Safari | Opera | IE |
|--------|------|---------|--------|-------|-----|
| Yes | Yes | Yes | Yes | Yes | 9-11 |

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