

คำสั่งการ SCROLL เพื่อการแสดงผล

MULTIMEDIA PROGRAMMING 2019

W3SCHOOL

ONSCROLL

Example

Execute a JavaScript when a <div> element is being scrolled:

```
<div onscroll="myFunction()">
```

DEFINITION AND USAGE

- The onscroll event occurs when an element's scrollbar is being scrolled.

Tip: use the CSS overflow style property to create a scrollbar for an element

SYNTAX

In HTML:

```
<element onscroll="myScript">
```

In JavaScript:

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

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

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

WINDOW SCROLLTO() METHOD

Example

Scroll the document to the horizontal position "500":

```
window.scrollTo(500, 0);
```


DEFINITION AND USAGE

- The `scrollTo()` method scrolls the document to the specified coordinates.
- **Tip:** Use the `scrollBy()` method to scroll a specified distance multiple times.

SYNTAX

```
window.scrollTo(xpos, ypos)
```

Parameter	Type	Description
<i>xpos</i>	Number	Required. The coordinate to scroll to, along the x-axis (horizontal), in pixels
<i>ypos</i>	Number	Required. The coordinate to scroll to, along the y-axis (vertical), in pixels

HTML DOM SCROLLTOP PROPERTY

Example

Get the number of pixels the content of a <div> element is scrolled horizontally and vertically:

```
var elmnt = document.getElementById("myDIV");  
var x = elmnt.scrollLeft;  
var y = elmnt.scrollTop;
```


DEFINITION AND USAGE

- The `scrollTop` property sets or returns the number of pixels an element's content is scrolled vertically.
- **Tip:** Use the `scrollLeft` property to set or return the number of pixels an element's content is scrolled horizontally.
- **Tip:** To add scrollbars to an element, use the CSS `overflow` property.
- **Tip:** The `onscroll` event occurs when an element's scrollbar is being scrolled.

SYNTAX

Return the scrollTop property:

```
element.scrollTop
```

Set the scrollTop property:

```
element.scrollTop = pixels
```

Property Values

Value	Description
<i>pixels</i>	<p>Specifies the number of pixels the element's content is scrolled vertically.</p> <p>Special notes:</p> <ul style="list-style-type: none">• If the number is a negative value, the number is set to "0"• If the element cannot be scrolled, the number is set to "0"• If the number is greater than the maximum allowed scroll amount, the number is set to the maximum number

Example

Scroll the contents of a <div> element **TO** 50 pixels horizontally and 10 pixels vertically:

```
var elmnt = document.getElementById("myDIV");  
elmnt.scrollLeft = 50;  
elmnt.scrollTop = 10;
```

Example

Scroll the contents of a `<div>` element **BY** 50 pixels horizontally and 10 pixels vertically:

```
var elmnt = document.getElementById("myDIV");  
elmnt.scrollLeft += 50;  
elmnt.scrollTop += 10;
```

Example

Scroll the contents of <body> by 30 pixels horizontally and 10 pixels vertically:

```
var body = document.body; // Safari
var html = document.documentElement; // Chrome, Firefox, IE and Opera places the overflow at the <html> level, unless
else is specified. Therefore, we use the documentElement property for these browsers
body.scrollLeft += 30;
body.scrollTop += 10;
html.scrollLeft += 30;
html.scrollTop += 10;
```

Example

Toggle between class names on different scroll positions - When the user scrolls down 50 pixels from the top of the page, the class name "test" will be added to an element (and removed when scrolled up again).

```
window.onscroll = function() {myFunction()};

function myFunction() {
  if (document.body.scrollTop > 50 || document.documentElement.scrollTop > 50) {
    document.getElementById("myP").className = "test";
  } else {
    document.getElementById("myP").className = "";
  }
}
```

Example

Slide in an element when the user has scrolled down 350 pixels from the top of the page (add the slideUp class):

```
window.onscroll = function() {myFunction()};

function myFunction() {
  if (document.body.scrollTop > 350 || document.documentElement.scrollTop > 350) {
    document.getElementById("myImg").className = "slideUp";
  }
}
```