



HTML The id Attribute

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Using The id Attribute

The **id** attribute specifies a unique id for an HTML element (the value must be unique within the HTML document).

The id value can be used by CSS and JavaScript to perform certain tasks for a unique element with the specified id value.

In CSS, to select an element with a specific id, write a hash (#) character, followed by the id of the element:

Example

Use CSS to style an element with the id "myHeader":

```
<style>
#myHeader {
  background-color: lightblue;
  color: black;
  padding: 40px;
  text-align: center;
}
</style>

<h1 id="myHeader">My Header</h1>
```

Result:

My Header

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Tip: The id attribute can be used on **any** HTML element.

Note: The id value is case-sensitive.

Note: The id value must contain at least **one** character, and must **not** contain whitespace (spaces, tabs, etc.).

Difference Between Class and ID

An HTML element can only have one unique id that belongs to that single element, while a class name can be used by multiple elements:

Example

```
<style>
/* Style the element with the id "myHeader" */
#myHeader {
    background-color: lightblue;
    color: black;
    padding: 40px;
    text-align: center;
}

/* Style all elements with the class name "city" */
.city {
    background-color: tomato;
    color: white;
    padding: 10px;
}
</style>

<!-- A unique element -->
```

```
<h1 id="myHeader">My Cities</h1>

<!-- Multiple similar elements -->
<h2 class="city">London</h2>
<p>London is the capital of England.</p>

<h2 class="city">Paris</h2>
<p>Paris is the capital of France.</p>

<h2 class="city">Tokyo</h2>
<p>Tokyo is the capital of Japan.</p>
```

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Tip: You can learn much more about CSS in our [CSS Tutorial](#).

Using The id Attribute in JavaScript

JavaScript can access an element with a specified id by using the `getElementById()` method:

Example

Use the id attribute to manipulate text with JavaScript:

```
<script>
function displayResult() {
    document.getElementById("myHeader").innerHTML = "Have a nice day!";
}
</script>
```

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Tip: Study JavaScript in the chapter [HTML JavaScript](#), or in our [JavaScript Tutorial](#).

Bookmarks with ID and Links

HTML bookmarks are used to allow readers to jump to specific parts of a Web page.

Bookmarks can be useful if your webpage is very long.

To make a bookmark, you must first create the bookmark, and then add a link to it.

When the link is clicked, the page will scroll to the location with the bookmark.

Example

First, create a bookmark with the **id** attribute:

```
<h2 id="C4">Chapter 4</h2>
```

Then, add a link to the bookmark ("Jump to Chapter 4"), from within the same page:

```
<a href="#C4">Jump to Chapter 4</a>
```

Or, add a link to the bookmark ("Jump to Chapter 4"), from another page:

Example

```
<a href="html_demo.html#C4">Jump to Chapter 4</a>
```

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