jQuery html()

jQuery html() method is used to change the entire content of the selected elements. It replaces the selected element content with new contents.

The first method signature has no argument, so it just returns the HTML within that element. The remaining two signatures take a single argument: i.e. a string or a function that returns a string.

**Syntax**:

1. $(selector).html()

It is used to return content.

1. $(selector).html(function (index, currentcontent))

It is used to set content by calling function.

The jQuery html() method is used either for set the content or return the content of the selected elements.

* **To set content**: When you use this method to set content, it overwrites the content of the all matched elements.
* **To return content**: When you use this method to return content, it returns the content of the first matched element.

## **Parameters of jQuery html() method**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| Content | It is an essential parameter.  It is used to specify the new content for the selected elements.  It can also contain HTML tags. |
| Function (index, currentcontent) | It is an optional parameter.  It specifies a function that returns the new content for  the selected elements.   * **Index**: It shows the index position   of the element in the set.   * **Currentcontent**: It shows the current HTML   content of the selected element. |

## **Example of jQuery html() method**

take an example to demonstrate jQuery html() method. It is changing the content of all p elements.

<!DOCTYPE html**>**

**<html>**

**<head>**

**<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**

**<script>**

$(document).ready(function(){

    $("button").click(function(){

        $("p").html("Hello **<b>**nareshit.com**</b>**");

    });

});

**</script>**

**</head>**

**<body>**

**<button>**Click here to change the content of all p elements**</button>**

**<p>**This is a paragraph.**</p>**

**<p>**This is another paragraph.**</p>**

**</body>**

**</html>**

## **jQuery html() example 2**

see another example of jQuery html() method that returns HTML content. It returns the content of first paragraph only.

<!DOCTYPE html**>**

**<html>**

**<head>**

**<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**

**<script>**

$(document).ready(function(){

    $("button").click(function(){

        alert($("p").html());

    });

});

**</script>**

**</head>**

**<body>**

**<button>**Return the content of p element**</button>**

**<p>**This is first **<b>**paragraph**</b>**.**</p>**

**<p>**This is another **<b>**paragraph**</b>**.**</p>**

**</body>**

**</html>**

## **jQuery html() example 3**

see another example of jQuery html() method that converts HTML to text.

<!DOCTYPE html**>**

**<html** lang="en"**>**

**<head>**

**<meta** charset="utf-8"**>**

**<title>**html demo**</title>**

**<style>**

  p {

    margin: 8px;

    font-size: 20px;

    color: blue;

    cursor: pointer;

  }

  b {

    text-decoration: underline;

  }

**</style>**

**<script** src="https://code.jquery.com/jquery-1.10.2.js"**></script>**

**</head>**

**<body>**

**<p>**

**<b>**Click**</b>** here to change the **<span** id="tag"**>**html**</span>** to text

**</p>**

**<script>**

$( "p" ).click(function() {

  var htmlString = $( this ).html();

  $( this ).text( htmlString );

});

**</script>**

**</body>**

**</html>**

# jQuery text()

The jQuery text() method is used to set or return the text content of the selected elements.

**To return content:** When this method is used to return content, it returns the combined text content of all matched elements without the HTML markup.

**To set content:** When this method is used to set content, it overwrites the content of all matched elements.

Following is the main differences:

* The jQuery text() method is used to set or return html content without HTML markup while, html() method is used to set or return the innerHtml (text + HTML markup).
* The jQuery text() method can be used in both XML and HTML document while jQuery html() method can't.

**Syntax**:

To return text content:

1. $(selector).text()

To set text content:

1. $(selector).text(content)

To set text content using a function:

1. $(selector).text(function(index,currentcontent))

## **Parameters of jQuery text() method**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| Content | It is a mandatory parameter.  It specifies the new text content for the selected elements.  The special characters will be encoded in this parameter. |
| Function (index,currentcontent) | It is an optional parameter.  It specifies the function that returns the new  text content for theselected elements.   * **Index:** It provides the index position of the element   in the set.   * **Currentcontent:** It provides the current   content of theselected elements. |

<!DOCTYPE html**>**

**<html** lang="en"**>**

**<head>**

**<meta** charset="utf-8"**>**

**<title>**text demo**</title>**

**<style>**

  p {

    color: blue;

    margin: 8px;

  }

  b {

    color: red;

  }

**</style>**

**<script** src="https://code.jquery.com/jquery-1.10.2.js"**></script>**

**</head>**

**<body>**

**<p><b>**Hello! **</b>**nareshit.com**</p>**

**<p></p>**

**<script>**

var str = $( "p:first" ).text();

$( "p:last" ).html( str );

**</script>**

**</body>**

**</html>**

## **Another example of jQuery text() method**

An example for **set** content:

<!DOCTYPE html**>**

**<html>**

**<head>**

**<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**

**<script>**

$(document).ready(function(){

    $("button").click(function(){

        $("p").text("Welcome to nareshit.com!");

    });

});

**</script>**

**</head>**

**<body>**

**<button>**Click here to set text content for all p elements**</button>**

**<p>**Hello Guys!**</p>**

**<p>**Looking for online training....**</p>**

**</body>**

**</html>**

jQuery val()

There are two usage of jQuery val() method.

* It is used to get current value of the first element in the set of matched elements.
* It is used to set the value of every matched element.

**Syntax**:

1. $(selector).val()

It is used to get value.

1. $(selector).val(value)

It is used to set value.

1. $(selector).val(function(index,currentvalue))

It is used to set value using function.

## **Parameters of jQuery val() method**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| Value | It is a mandatory parameter.  It is used specify the value of the attribute. |
| Function (index, currentvalue) | It is an optional parameter.  it is used to specify a function that returns the value to set. |

## **jQuery val() example**

The val() method is primarily used to get the values of form elements. This method doesn't accept any arguments. This method returns a NULL when no option is selected and it returns an array containing the value of each selected options in the case of one or more selection.

<!DOCTYPE html**>**

**<html** lang="en"**>**

**<head>**

**<meta** charset="utf-8"**>**

**<title>**val demo**</title>**

**<style>**

  p {

    color: red;

    margin: 4px;

  }

  b {

    color: blue;

  }

**</style>**

**<script** src="https://code.jquery.com/jquery-1.10.2.js"**></script>**

**</head>**

**<body>**

**<p></p>**

**<select** id="single"**>**

**<option>**Single**</option>**

**<option>**Double**</option>**

**<option>**Triple**</option>**

**</select>**

**<script>**

function displayVals() {

  var singleValues = $( "#single" ).val();

  $( "p" ).html( "**<b>**Value:**</b>** " + singleValues);

}

$( "select" ).change( displayVals );

displayVals();

**</script>**

**</body>**

**</html>**

**Asynchronous JavaScript and XML** (AJAX)

AJAX is used for developing SPA (Single Page Applications) or Single Page Web Applications.