



Van Nguyen

How to use jQuery

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VLIGHT

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Intro to jQuery

jQuery is nothing but a *lightweight javascript library*

jQuery makes easier to use javascript on your website

With jQuery, you select HTML elements then perform actions on them

jQuery selectors, which start with the `$()`, allow you to select then manipulate HTML elements

slideDown()

Description

This method is used to slide down an element

Syntax

`$(selector).slideDown(speed, callback);`

+ **speed**: This is an optional parameter which specifies the duration of the effect. It can take the following values

1. 'slow'
2. 'fast'
3. milliseconds

+ **callback**: This is also an optional parameter which is a function to be executed after the sliding completes

Sample Code

```
<!DOCTYPE html>
<html>
  <head>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>
```

```

<script>
  $(document).ready(function() {
    $("#slideDownTest").click(function() {
      $("#greeting").slideDown("fast");
    });
  });
</script>
```

```
<style>
  #greeting, #slideDownTest {
    padding: 9px;
    text-align: center;
    background-color: #595959;
    border: solid 3px #393939;
  }

  #greeting {
    padding: 90px;
    display: none;
  }
</style>
</head>

<body>
  <div id="slideDownTest">Click me to test slideDown()</div>
  <div id="greeting">Hello, I am Van!</div>
</body>
</html>
```

slideUp()

Description

This method is used to slide up an element

Syntax

`$(selector).slideUp(speed, callback);`

+ **speed**: This is an optional parameter which specifies the duration of the effect. It can take the following values

1. 'slow'
2. 'fast'
3. milliseconds

+ **callback**: This is also an optional parameter which is a function to be executed after the sliding completes

Sample Code

```
<!DOCTYPE html>
<html>
  <head>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>
```

```

<script>
  $(document).ready(function() {
    $("#slideUpTest").click(function() {
      $("#greeting").slideUp("fast");
    });
  });
</script>
```

```
<style>
  #greeting, #slideUpTest {
    padding: 9px;
    text-align: center;
    background-color: #595959;
    border: solid 3px #393939;
  }

  #greeting {
    padding: 90px;
  }
</style>
</head>

<body>
  <div id="slideUpTest">Click me to test slideUp()</div>
  <div id="greeting">Hello, I am Van!</div>
</body>
</html>
```


slideToggle()

Description

This method toggles between the slideDown() and slideUp(). If the element has been slid down then slideToggle() will slide them up. If the element has been slid up then slideToggle() will slide them down

Syntax

`$(selector).slideToggle(speed, callback);`

+ **speed**: This is an optional parameter which specifies the duration of the effect. It can take the following values

1. 'slow'
2. 'fast'
3. milliseconds

+ **callback**: This is also an optional parameter which is a function to be executed after the sliding completes

Sample Code

```
<!DOCTYPE html>
<html>
  <head>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>
```

```
<script>
$(document).ready(function() {
  $("#slideToggleTest").click(function() {
    $("#greeting").slideToggle("fast");
  });
});
```

```
});
</script>

<style>
  #greeting, #slideToggleTest {
    padding: 9px;
    text-align: center;
    background-color: #595959;
    border: solid 3px #393939;
  }

  #greeting {
    padding: 90px;
    display: none;
  }
</style>
</head>

<body>
  <div id="slideToggleTest">Click me to test slideToggle()</div>
  <div id="greeting">Hello, I am Van!</div>
</body>
</html>
```

text()

Description

This method will set or return the text content of the selected elements

Syntax

`$(selector).text();`

Sample Code

```
<!DOCTYPE html>
<html>
<head>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>

  <script>
    $(document).ready(function() {
      $("#textTest").click(function() {
        alert("The text is: " + $("#text").text());
      });
    });
  </script>
</head>

<body>
  <p id="text">Test for text()</p>
  <button id="textTest">Click me to show the text!</button>
</body>
</html>
```

html()

Description

This method will set or return the content of the selected elements including the HTML markup

Syntax

`$(selector).html();`

Sample Code

```
<!DOCTYPE html>
<html>
<head>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>

  <script>
    $(document).ready(function() {
      $("#htmlTest").click(function() {
        alert("The html is: " + $("#text").html());
      });
    });
  </script>
</head>

<body>
  <p id="text">Test for text</p>
  <button id="htmlTest"> Click me to show the html!</button>
</body>
</html>
```

val()

Description

This method will set or return the value of fields on a form

Syntax

`$(selector).val();`

Sample Code

```
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>

<script>
$(document).ready(function() {
$("button").click(function() {
    alert("The value is: " + $("#valTest").val());
});
});
</script>
</head>

<body>
<p>Fullname <input type="text" id="valTest" value="Van Nguyen"></p>
<button>Click me to test val()</button>
</body>
</html>
```

attr()

Description

This method will get attribute values

Syntax

\$(**selector**).*attr*(attributeName);

+ attributeName: The name of the attribute

Sample Code

```
<!DOCTYPE html>
<html>
<head>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js">
</script>

  <script>
    $(document).ready(function() {
      $("button").click(function() {
        alert($("#attrTest").attr("href"));
      });
    });
  </script>
</head>

<body>
  <p><a href="http://www.khoahoc.tv" id="attrTest">khoahoc.tv</a></p>
  <button>Click me to test attr()</button>
</body>
</html>
```