

What is jQuery?

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jQuery is a fast, functional, multi-functional JavaScript library created by John Resig in 2006 with a meaningful motto: **Write less, do more - Write less, do more** .

jQuery simplifies HTML document browsing, event handling, animation and Ajax interaction for fast web development. Web analytics has shown that jQuery is the most widely deployed JavaScript library.

jQuery is a set of JavaScript tools designed to simplify different tasks by writing less code. The following lists some of the most important features supported by jQuery:

1. **Manipulating the DOM** - jQuery makes it easy to select DOM elements to traverse (browse) as easily as using CSS, and edit their content by using the open source Selector media, which is called **Sizzle** .
2. **Event handling** - jQuery helps to interact with users better by handling diverse events without making HTML code messy with Event Handler.
3. **AJAX support** - jQuery helps you a lot to develop a feature-rich and responsive site using AJAX technology.
4. **Animated effects** - jQuery comes with a lot of beautiful animation effects that you can use for your websites.
5. **Compact** - jQuery is a lightweight library - it is only about 19KB (gzipped).
6. **Most supported by modern browsers** - jQuery is supported mostly by modern browsers, and works well on IE 6.0+, FF 2.0+, Safari 3.0+, Chrome and Opera 9.0+.
7. **Update and support the latest technologies** - jQuery supports CSS3 Selector and basic XPath syntax.

How to use jQuery?

There are two ways to use jQuery:

Local installation - You can download the jQuery Library on your computer and include it in the HTML code.

Using from CDN (CDN Based Version) - You can put jQuery library into HTML code directly from the Content Delivery Network (CDN).

Install jQuery internally

Visit <https://jquery.com/download/> to download the latest version of jQuery. Now put **jquery-2.1.3.min.js** file into a folder in your Website, for example / **jquery** .

Now you can include the jquery library in your HTML file as follows:

```
The jQuery Example
```

```
Hello
```

It will result:

```
Hello!
```

Use CDN

You can include the jQuery library in HTML code directly from the Content Delivery Network (CDN). Google and Microsoft provide the latest version.

In this series, we use Google CDN.

For example

Now we rewrite the above example using the jQuery library from Google CDN.

```
The jQuery Example
```

```
Hello
```

It will result:

```
Hello!
```

How to call a jQuery library function?

Similar to JavaScript, before we use jQuery's code to read or edit DOM objects, we need to make sure we start adding events as soon as the DOM is ready.

If you want an event to work on your page, you should call it inside the `$(document).ready()` function. Everything inside will load immediately after the DOM is loaded and before the page content is loaded.

To do this, we register an event ready for the document as follows:

```
$( document ). ready ( function () { // th?c hi?n khi DOM s?n sàng } );
```

To call any jQuery library function, use the HTML script tags as below:

The jQuery Example

It will produce the following result:

[Click here to see the dialog box.](#)

How to use Custom Script in jQuery?

It is better to write custom code in a custom JavaScript file, named **custom.js** , as follows:

```
/* Filename: custom.js */ $( document ). ready ( function () { $( "div" ). click ( function () { alert ( "Clicked" ); } ); } );
```

Now let us put this custom.js in the HTML file as follows:

The jQuery Example

It will produce the following result:

[Click here to see the dialog box.](#)

Use many libraries in jQuery

You can use multiple libraries together without conflict between them. For example, you can use jQuery libraries and MooTool JavaScript libraries together.

You can check the method: **jQuery - noConflict method** for more details.

According to Tutorialspoint

Previous article: [Handling exceptions \(Try / Catch / Finally\) in C #](#)

Next lesson: [Basic about jQuery](#)

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