

JQUERY

INTRO TO JQUERY

jQuery is a JavaScript Library.
jQuery greatly simplifies JavaScript programming.
jQuery is easy to learn.

What is jQuery?

- jQuery is a lightweight, "write less, do more", JavaScript library.
 - The purpose of jQuery is to make it much easier to use JavaScript on your website.
 - jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.
 - jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.
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Tip: *In addition, jQuery has plugins for almost any task out there.*



Getting Started

- There are several ways to start using jQuery on your web site.
You can:
 - Download the jQuery library from jquery.com
 - Include jQuery from a CDN, like Google
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Downloaded Version

- The jQuery library is a single JavaScript file, and you reference it with the HTML `<script>` tag (notice that the `<script>` tag should be inside the `<head>` section):

```
<head>
```

```
<script src="js/jquery-3.1.1.min.js"></script>
```

```
</head>
```

jQuery CDN (Preferred)

- If you don't want to download and host jQuery yourself, you can include it from a CDN (Content Delivery Network).
- Both Google and Microsoft host jQuery.

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

```
<script src="https://ajax.aspnetcdn.com/ajax/jQuery/jquery-3.1.1.min.js"> </script>
```

jQuery Syntax

- The jQuery syntax is tailor-made for **selecting** HTML elements and performing some **action** on the element(s).
 - Basic syntax is: ***\$(selector).action()***
 - A **\$** sign to define/access jQuery
 - A (*selector*) to "query (or find)" HTML elements
 - A jQuery *action()* to be performed on the element(s)
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jQuery Examples

- `$(this).hide()` - hides the current element.
 - `$("p").hide()` - hides all `<p>` elements.
 - `$(".test").hide()` - hides all elements with `class="test"`.
 - `$("#test").hide()` - hides the element with `id="test"`.
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