



MODULE: 5 (jQuery Basic, Effects & Advance)

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1.What is JQuery?

Ans. jQuery is an open-source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model (DOM), and JavaScript.

Elaborating the terms.

- jQuery simplifies HTML document traversing and manipulation, browser event handling, DOM animations, Ajax interactions, and cross-browser JavaScript development.



- jQuery is the only library available today that meets the needs of both designer types and programmer types is jQuery.
- jQuery is widely famous with its philosophy of **"Write less, do more."**
- This philosophy can be further elaborated as three concepts:
 - 1 Finding some elements (via CSS selectors) and doing something with them (via jQuery methods) i.e., locate a set of elements in the DOM, and then do something with that set of elements.
 - 2 Chaining multiple jQuery methods on a set of elements
 - 3 Using the jQuery wrapper and implicit iteration

▪ Using jQuery (JS) library on HTML page

There are several ways to start using jQuery on your web site.

1. Use the Google-hosted/ Microsoft-hosted content delivery network (CDN) to include a version of jQuery.
2. Download own version of jQuery from jQuery.com and host it on own server or local filesystem.

- All jQuery methods are inside a document-ready event to prevent any jQuery code from running before the document is finished loading (is ready).

Basic syntax for any jQuery function is:

`$(selector).action()`

- A \$ sign is to define/access jQuery
- A (selector) is to “query (or find)” HTML elements in html page
- A jQuery action() is the action to be performed on the selected element(s)

2. How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation??

Ans. The `css()` method in jQuery is used to change the style property of the selected element. This method can be used in different ways. The `css()` method can be used to get/return the present value of the property for the selected element.

Syntax:

`$(selector).css(property)`

or

`$(selector).css (property, value)`

Or

`$(selector).css (property, function (index, current value))`

or

`$(selector).css ({property: value, property: value, ...})`

Return value It will return the value of the property for the selected element.

AddClass () method: It is used to add specified classes to each of the targeted elements while animating all style changes.

Syntax:

. AddClass (class Name, [duration], [easing], [call back])

Remove Class () method: It is used to remove the classes from the element while animating all style changes.

Syntax:

. remove Class (class Name, [duration], [easing], [call back])

- **JQuery Animation**

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<https://github.com/Shivani081/jQuery/tree/main/iQuery%20animation>

3. How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

Ans. Step 1 - Add the HTML below to where you'd like your animated hero slider to populate

Step 2 - Add the CSS below to the main stylesheet of your website

Step 3 - Add the JavaScript below to the page where your hero slider will live

Step 4 - Add the includes below to the page where your hero slider will live

<https://github.com/Shivani081/jQuery/tree/main/j%20Query%203D%20stack>

