



# 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?**

**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])

### 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>

