**MODULE: 7(JQuery Basic, Effects & Advance)**

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

**Ans:**

* For, applying CSS through JQuery there is a method called CSS(). This method changes the styling 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:**

1. **$(selector).css(property)** = This will get the value of the property .
2. **$(selector).css(property, value)** = This will change the value of the property.
3. **$(selector).css(property, function(index, currentvalue))**= This syntax will came to place where we want to add style through function.
4. **$(selector).css({property:value, property:value, ...})**=Using this syntax we can apply multiple CSS properties.

* The addClass() or removeClass() methods are used to add the CSS classes when there is a need to add to our webpage when there is some event listener or to create some kind of effect.

**Syntax:**

1. **$('selector').addClass(class\_name);** = This will add the class to the selected element.
2. **$('selector').removeClass(class\_name);** = This will remove the class from the selected element.

* The animate() method is an inbuilt method in jQuery which is used to change the state of the element with CSS style. This method can also be used to change the CSS property to create the animated effect for the selected element.

**Syntax:**

**(selector).animate({styles}, para1, para2, para3);**

It accepts four parameters which are specified below

* + - * para1: It is an optional parameter and is used to set the speed of the parameter and its default value is 400 milliseconds.
      * para2: It is optional and this specifies the speed of the element at different positions.
      * para3: It is an optional function that is used to be performed after the animation is complete.