**Module: 7 ( JQuery Basic, Effects & Advanced)**

**1). What is jQuery?**

JQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML

Document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy to use API that works across a multitude of browsers. With a combination of versatility and extensibility, JQuery has changed the way that millions of people write JavaScript.

**2). How to apply CSS using JQuery, how to add Class and Remove class in JQuery, JQuery animation?**

**addClass() Method :-** It is used to add specified classes to each of the targeted elements while animating all style changes.

For example :-

**$(document).ready(function(){**

**$(“#BTN1”).click(function(){**

**$(“selector”).addClass(“class name”);**

**});**

**});**

**removeClass() Method :-** It is used to remove the classes from the element while animating all style changes.

For example :-

**$(document).ready(function(){**

**$(“#BTN1”).click(function(){**

**$(“selector”).removeClass(“class name”);**

**});**

**});**

The **CSS()** method sets or returns one or more style properties for the selected elements.

Return a CSS Properties :-

To return the value of a specified CSS property, use the following Syntax :-

**css(“propertyname”);**

The following example will return the background-color value of the **first** matched element.

For example:-

**$(“p”).css(“background-color”);**

Set a CSS Properties :-

To set a specified CSS property, use the following Syntax :-

**css(“propertyname”, “value”);**

The following example will set the background-color value for **ALL** matched elements :-

For example :-

**$(“p”).css(“background-color”,“yellow”);**

Set Multiple CSS Properties :-

To set multiple CSS properties, use the following Syntax :-

**css({“propertyname”: “value”,“propertyname”:“value”,……….});**

The following example will set a background-color and a font-size for all matched elements:-

For example :-

**$(“p”).css({“background-color”: “red”,“font-size”:“500%”});**

**3). How to create Slider with animation?**

**Sliding Methods** with JQuery you can create a sliding effect on elements.

JQuery has the following Slide methods :-

1). slideDown()

2). slideUp()

3). slideToggle()

For example :-

1). slideToggle():-

**$(document).ready(function(){**

**$(document).action(function(){**

**$(selector).slideToggle(2000);**

**});**

**});**

2). slideUp():-

**$(document).ready(function(){**

**$(document).action(function(){**

**$(selector).slideUp(2000);**

**});**

**});**

3). slideDown():-

**$(document).ready(function(){**

**$(document).action(function(){**

**$(selector).slideDown(2000);**

**});**

**});**