**Module (JQuery Basic, Effects & Advanced) – 5**

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.

$(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.

**Syntax:**

$(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 Property

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:

### Example

$("p").css("background-color");

Set a CSS Property

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:

### 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:

### Example

$("p").css({"background-color": "yellow", "font-size": "200%"});

**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:

slideDown()

slideUp()

slideToggle()

$(document).ready(function () {

            $(document).action(function () {

                $(selector).slideToggle(500);

            })

        })