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

1. What is jQuery?

**Answer :-**

* + 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.

1. How to Apply CSS Using JQuery?

**Answer :-**

* + We can use jquery's .css() method to apply CSS style on the given webpage.
  + jQuery is a javascript library that helps us manipulate the DOM easily and efficiently using its various helper methods and properties.
  + It allows us to add interactivity to the DOM as well as add and change the CSS styles of the DOM elements.
  + JQuery css() method accepts either an argument of type object, with key as the CSS property name and value as the desired property value to be set to, or just a pair of comma-separated CSS property name and value.

#### The Syntax of single CSS is like follow:-

* + - $(selector).css(property, value)

#### The Syntax of multiple CSS is like follow:-

* + - $(selector).css({ property: value, property: value, … })

1. How to Add Class and Remove Class in Jquery?

**Answer :-**

* + 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.

#### Adding a class:

* + - $('selector').addClass(class\_name);

#### Removing a class:

* + - $('selector').removeClass(class\_name);

1. How to Apply JQuery Animation?

**Answer :-**

* + The jQuery animate() method provides you a way to create custom animations.

#### The Syntax of animation is like follow:-

* + $(selector).animate({params}, speed, callback);
  + Here, params parameter defines the CSS properties to be animated.

1. How to create slider with animation?

**Answer :-**

#### jQuery has the following slide methods:

* + - slideDown()
    - slideUp()
    - slideToggle()

#### jQuery slideDown() Method

* + The jQuery slideDown() method is used to slide down an element.
  + Syntax is => $(selector).slideDown(speed,callback);

#### jQuery slideUp() Method

* + The jQuery slideUp() method is used to slide up an element.
  + Syntax is => $(selector).slideUp(speed,callback);

#### jQuery slideToggle() Method

* + The jQuery slideToggle() method toggles between the slideDown() and slideUp() methods.
  + If the elements have been slid down, slideToggle() will slide them up.
  + If the elements have been slid up, slideToggle() will slide them down.
  + Syntax is => $(selector).slideToggle(speed,callback);