•What is jQuery?

* jQuery is a JavaScript library . it is use to make simple javascript, it is also use for Event handling:

jQuery provides a number of methods for attaching and detaching event handlers to HTML elements, making it easier to create interactive web pages.

* CSS animation:

jQuery provides a number of methods for animating CSS properties, making it easier to create visually appealing web pages.

• How to Apply CSS Using JQuery

Using css() - Sets or returns the style attribute. In jquery.

•How to Add Class and Remove Class in Jquery:-

To add a class to an element using jQuery, you can use the **addClass()** method. The syntax is:

$(selector).addClass(className);

For example, to add the class **red** to all elements with the class **button**, you would use the following code:

$("button").addClass("red");

To remove a class from an element using jQuery, you can use the **removeClass()** method. The syntax is:

$(selector).removeClass(className);

For example, to remove the class **red** from all elements with the class **button**, you would use the following code:

$("button").removeClass("red");

You can also use the **toggleClass()** method to toggle a class on an element. The syntax is:

$(selector).toggleClass(className);

For example, to toggle the class **red** on all elements with the class **button**, you would use the following code:

$("button").toggleClass("red");

JQuery Animation?

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.

• How to create slider with animation?

jQuery Sliding Methods:

1. slideDown() : The optional speed parameter specifies the duration of the effect. It can take the following

values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the sliding completes.

2. slideUp() : The optional speed parameter specifies the duration of the effect. It can take the following

values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the sliding completes.

3. slideToggle() :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.

<span> $(selector).slideToggle(speed,callback);</span>

The optional speed parameter can take the following values: "slow", "fast", milliseconds.

The optional callback parameter is a function to be executed after the sliding completes.