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

**1. What is jQuery?**

**ans.**

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities

**Tip:** In addition, jQuery has plugins for almost any task out there.

Many of the biggest companies on the Web use jQuery, such as:

* Google
* Microsoft
* IBM
* Netflix

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

**ans.**

**1.apply css using jquery:**

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

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:

[**https://github.com/chandaniacharya/Assignments/blob/main/jquery%20assignment%20practicles/jquery%20css.html**](https://github.com/chandaniacharya/Assignments/blob/main/jquery%20assignment%20practicles/jquery%20css.html)

2.add class & remove class

* The **addClass()** method adds one or more class names to the selected elements.

This method does not remove existing class attributes, it only adds one or more class names to the class attribute.

 To add more than one class, separate the class names with spaces.

* The jQuery **removeclass())** method removes the selected element(s) and its child elements.

[**https://github.com/chandaniacharya/Assignments/tree/main/jquery%20assignment%20practicles/add%20class%20%26%20remove%20class**](https://github.com/chandaniacharya/Assignments/tree/main/jquery%20assignment%20practicles/add%20class%20%26%20remove%20class)

3.jquery animation

* jQuery **animate()** method is used to create custom animations.

**Syntax:**

**$(*selector*).animate({*params*}*,speed,callback*);**

The required params parameter defines the CSS properties to be animated.

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 animation completes.

The following example demonstrates a simple use of the animate() method; it moves a <div> element to the right, until it has reached a left property of 250px:

[**https://github.com/chandaniacharya/Assignments/blob/main/jquery%20assignment%20practicles/animation.html**](https://github.com/chandaniacharya/Assignments/blob/main/jquery%20assignment%20practicles/animation.html)

3. **How to create slider with animation?**

**ans.**

[**https://github.com/chandaniacharya/Assignments/tree/main/jquery%20assignment%20practicles/plugins**](https://github.com/chandaniacharya/Assignments/tree/main/jquery%20assignment%20practicles/plugins)

thank you