

## **Module (jQuery Basic, Effects & Advanced) – 5**

### **1. What is jQuery ?**

jQuery is a fast, small, cross-platform and feature-rich JavaScript library. It is designed to simplify

the client-side scripting of HTML. It makes things like HTML document traversal and manipulation, animation, event handling, and AJAX very simple with an easy-to-use API that works on a lot of different type of browsers.

### **2. How to Apply CSS Using JQuery, How to Add class and Remov Class**

#### **In jquery , JQuery Animation ?**

It is possible to change the CSS property of an element by using a simple JavaScript API, but we

try to complete this challenge using jQuery CSS () method.

#### **Syntax:**

```
$(selector).css(propertyname, value);
```

```
$(selector).css(properties);
```

#### **jQuery - Get and Set CSS Classes :**

1. `addClass()` - Adds one or more classes to the selected elements.
2. `removeClass()` - Removes one or more classes from the selected elements.
3. `toggleClass()` - Toggles between adding/removing classes from the selected elements.
4. `css()` - Sets or returns the style attribute.

#### **JQUERY ANIMATION.**

The jQuery `animate()` method is used to create custom animations by changing the CSS numerical properties of a DOM element, for example, width, height, margin, padding, opacity, top, left, etc.

```
$(selector).animate({ properties }, [speed, callback] );
```

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

jQuery UI is great for building UI interfaces for the webpages. jQueryUI provides us a slider control through the slider widget. Slider helps us to get a certain value using a given range. In this article, we will see how to animate a slider. The `animate` option when set to true will create an animation effect when you directly click at any point on the slider's axis .

#### **Syntax:**

```
$("selector").slider(  
  { animate: value }  
);
```