* **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 browsers.

1. **How to Apply CSS Using jQuery, How to Add class and Remove class in jQuery, jQuery Animation ?**

It method 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:**

$().CSS(propertyname,value)

$().CSS(properties);

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

1. addClass() -Adds one or more classes to the selected

elements.

1. removeClass() -Removes one or more classes form the

selected elements.

1. toggleClass() -Toggles between adding/removing classes from the selected elements.
2. Css() -Sets or returns the style attribute.

**JQUERY ANIMATION.**

The jQuery animation() 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] );

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

jQuery UI is great for building UI interfaces for the webpages.

jQuery UI provides us a 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 }

);