**MODULE: 7 JQuery Basic, Effects & Advanced**

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.

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

ANS :-

• CSS:

Example of setting CSS properties: $(element).css("color", "red");

• Adds Class :-

Example: $(element).addClass("new-class");

• Remove Class:-

Example: $(element).removeClass("old-class");

• jQuery Animation: animate :-

Example: $(element).animate({ opacity: 0.5, left: '+=50', height: 'toggle' }, 1000);

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

jQuery UI consists of GUI widgets, visual effects, and themes implemented using jQuery, CSS, and HTML. 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 }*

*);*

**Parameters:** This option accepts three parameters as discussed below:

**boolean:** If set to true, the slider will be animated. By default, the value is false

**string:** The string value used to set the speed of the slider cursor. The available values are slow, normal, fast.

**number:** The duration of the animation in milliseconds.