# MODULE-7

**JQuery Basic, Effects & Advanced**

1. **What is JQuery ?**

**Ans.**  jQuery is a popular JavaScript library that simplifies the process of manipulating HTML documents and handling events. It provides a wide range of tools and methods that allow developers to create dynamic and interactive web pages with ease. jQuery is designed to be easy to use, with a simple and intuitive syntax that makes it accessible to developers of all skill levels. It is widely used in web development, and is supported by a large and active community of developers who contribute to its ongoing development and improvement.

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

**Ans.** To apply CSS using iQuery, you can use the ‘css()’ method.

**For Example,**  to change the background color of an element with the ID “myDiv” to red, You can use the following code: : ‘$

**$(“#myDiv”).CSS(“background-color”-“red”);**

To add a class to an element using jQuery, you can use the ‘addclass()’ method.

**For Example,**  To add a class called “highlight” to an element with the ID “myDiv”, you can use the following code:

**$(“#myDiv”).addClass(“highlight”);**

To remove a class from an element using jQuery, you can use the ‘removeclass()’ method.

**For Example,** To remove the “highlight” class from an element with the ID “myDiv”, you can use the following code:

**$(“#myDiv”).removeclass(“highlight”);**

To create animations using iQuery, you can use the ‘animate()’method.

**For Example,** To animate the width of an element with the ID “myDiv” to 500 pixels over a period of 1 second, you can see the following code:

**$(“#myDiv”).animate({width:”500px”},1000);**

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

**Ans.** To create a slider with animation using jQuery, you can use a combination of the ‘animate()’ method and the ‘setInterval()’ method. First, you’ll need to create a container element to hold your slider images. Then, you can use the ‘animate()’ method to move the container left or right by the width of one image, and use the ‘setInterval()’ method to repeat the animation at regular intervals.

**Here’s an Example:-**

**<div id=”slider”>**

**<img src=”image1.jpg”>**

**<img src=”image2.jpg”>**

**<img src=”image3.jpg”>**

**</div>**

**<script>**

**// set the width of the slider container based on the number of images**

**Var sliderWidth =$(“#slider img”).css(“width”.imageWidth);**

**// Setv the intial position of the slider**

**Var position = 0;**

**// Animate the slider to the next image**

**function nextImage() { position .= 100/$(“#slider img”).length;**

**$(“#slider”).animate ({left: position + “%”},500);**

**// Repeat the animation at regular intervals**

**Setinterval(nextImage, 5000);**

**</script>**

This code creates a slider with three images, but you can adjust the number of images and the timing of the animation to fit your needs.