**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.

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

**Ans :** We are going to **use some jQuery UI addClass() and removeClass() methods**. addClass() method: It is used to add specified classes to each of the targeted elements while animating all style changes. removeClass() method: It is used to remove the classes from the element while animating all style changes.

**(3) How to create slider with animation?**

**Ans :** The jQuery slideToggle() method toggles between the slideDown() and slideUp() methods. If the elements have been slid down, slideToggle() will slide them up. If the elements have been slid up, slideToggle() will slide them down. **$(selector).slideToggle(speed,callback);**