**Module (JQuery Basic, Effects & Advanced) – 5**

**Q-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

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

**Ans. :**

* **addClass()** - Adds one or more classes to the selected elements

Ex.:

$("button").click(function(){  
  $("h1, h2, p").addClass("blue");  
  $("div").addClass("important");  
});

* **removeClass()** - Removes one or more classes from the selected elements

Ex.:

$("button").click(function(){  
  $("h1, h2, p").removeClass("blue");  
});

* **css()** - Sets or returns the style attribute

Ex.:

$("p").css("background-color", "yellow");

* **JQuery Animation** - The jQuery animate() method is used to create custom animations.

Ex. :

$("button").click(function(){  
  $("div").animate({left: '250px'});  
});

**Q-3 : How to create slider with animation?**

**Ans.:**

1. **slideUp():**

$("#flip").click(function(){  
  $("#panel").slideUp();  
});

1. **slideToggle():** 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.

## Ex.:

## $("#flip").click(function(){   $("#panel").slideToggle(); });