

## Module (jQuery Basic, Effects & Advanced) – 5

Q-1) What is jQuery?

Ans.

- jQuery is a fast, small, cross-platform and feature-rich JavaScript library.
- jQuery is cross-platform.
- jQuery means "write less do more".
- jQuery simplifies AJAX call and DOM manipulation.
- jQuery was first released in January 2006 by John Resig at BarCamp NYC. It is currently headed by Timmy Wilson and maintained by a team of developers.

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

Ans.

### CSS using jQuery:-

First of all make sure to include the jQuery library in HTML file. We can either download it and host it locally or include it via a CDN (Content Delivery Network).

```
$(document).ready(function () {  
    // Apply CSS to an element by ID  
    $('#myElement').css('color', 'red');  
  
    // Apply multiple CSS properties  
    $('#anotherElement').css({  
        'font-size': '20px',  
        'background-color': '#f0f0f0'  
    });  
});
```

### Add Class and Remove Class in JQuery:-

We can Add class using “.addClass(className)” method and Remove class using “.removeClass(className)” method.

```
$(document).ready(function () {  
    $('#addClassBtn').click(function () {  
        $('#myElement').addClass('highlight');  
    });  
});
```

```
$('#removeClassBtn').click(function () {  
    $('#myElement').removeClass('highlight');  
});  
});
```

Here we first Added “highlight” name class using `.addClass('highlight')` and then Removed that class using `.removeClass('highlight')`.

### jQuery Animation:-

jQuery provides several methods to animate changes to CSS properties. Common animation methods include:

- `.show()` and `.hide()`: Show or hide elements with optional animation effects.
- `.fadeIn()` and `.fadeOut()`: Fade elements in and out.
- `.slideDown()` and `.slideUp()`: Slide elements down or up.
- `.toggle()`: Toggles between `slideDown()` and `slideUp()` based on the element's current state.