

MODULE: 5 (jQuery Basic, Effects & Advance)

- What is JQuery?

Ans. jQuery is a small, light-weight and fast JavaScript library. It is cross-platform and supports different types of browsers. It is also referred as 'write less do more' because it takes a lot of common tasks that requires many lines of JavaScript code to accomplish, and binds them into methods that can be called with a single line of code whenever needed. It is also very useful to simplify a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

- jQuery is a small, fast and lightweight JavaScript library.
- jQuery is platform-independent.
- jQuery means "write less do more".
- jQuery simplifies AJAX call and DOM manipulation

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

Ans. You can add css by jQuery in two ways

1. Add css to your element

```
$('.css_selector').css('css_property' : 'property_value', 'css_property' : 'property_value');
```

2. By adding class defined in css means you can add class written in css file by jquery

```
$('.your_element').addClass('css_class_name');
```

ADD class and remove class in jquery:

Add class in JQuery

Jquery has method called `addClass()` which can be used to add one or more class to the DOM elements.

It takes class names in the string format.

```
//Add red class to the  
//element with id abc  
$("#abc").addClass('red');
```

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To add multiple classes pass them space separated
in string format.

```
//Add multiple class to the  
//element with id abc  
$("#abc").addClass('red yellow pink blue');
```

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`addClass()` method assigns the given list of classes to all
the selected element.

```
//Add multiple class to the  
//element with input type text  
$("input[type='text']").addClass('red yellow pink blue');
```

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If the class is already present then it will overwrite it.

Remove class using JQuery

Jquery has method called `removeClass()` which can be
used to remove one or more class from the DOM elements.

```
//Remove red class from the  
//element with id abc  
$("#abc").removeClass('red')
```

JQUERY ANIMATION

"Animate" an element, by changing its height:

```
$("#button").click(function(){  
    $("#box").animate({height: "300px"});  
})
```

Definition and Usage

The `animate()` method performs a custom animation of a set of CSS properties.

This method changes an element from one state to another with CSS styles. The CSS property value is changed gradually, to create an animated effect.

Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element.

- How to create slider with animation

Ans. Answer in next file