

MODULE: 5 (jQuery Basic, Effects & Advance)

(1) What is JQuery?

--> jQuery is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. jQuery is designed to change the way that you write JavaScript. jQuery is a multi-browser JavaScript library designed to simplify the client-side scripting of HTML. It was released in January 2006 at BarCamp NYC by John Resig. It is currently developed by a team of developers led by Dave Methvin. Used by over 55% of the 10,000 most visited websites, jQuery is the most popular JavaScript library in use today. jQuery's syntax is designed

to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, theme-able widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and web applications.

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

--> You can get the computed value of an element's CSS property by simply passing the property name as a parameter to the `css()` method. Here's the basic syntax: `$`

(selector).css("propertyName");

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

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

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

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

-> jQuery includes methods which give special effects to the elements on hiding, showing, changing style properties, and fade-in or fade-out operation. These special effect methods can be useful in building an interactive user interface.

(3)How to create slider with animation?

--> Step 1: Come up with a strategy for the slider. You can make as many modifications as you want to Slider Revolution templates. ...

Step 2: Update the background image in each slide. ...

Step 3: Update the text layers in each slide. ...

Step 4: Edit the button text and design in each slide. ...

Step 5: Edit the slider navigation.