**Q 1.What is jQurey?**

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

There are lots of other JavaScript libraries out there, but jQuery is probably the most popular, and also the most extendable.

Many of the biggest companies on the Web use jQuery, such as:

(1) Google

(2) Microsoft

(3) IBM

(4) Netflix

syntex: $(document).ready(function(){

$("p").click(function(){

$(this).hide();

});

});

**Q 2.How To Apply CSS Using JQuery,How to Add class and Remove class in Jquery,JQurey Animation ?**

jQuery Manipulating CSS

jQuery has several methods for CSS manipulation. We will look at the following methods:

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

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

toggleClass() - Toggles between adding/removing classes from the selected elements

css() - Sets or returns the style attribute

===>Example Stylesheet

The following stylesheet will be used for all the examples on this page:

.important {

font-weight: bold;

font-size: xx-large;

}

.blue {

color: blue;

}

(1)Addclass

==>Example of ADD class:$("button").click(function(){

$("h1, h2, p").addClass("blue");

$("div").addClass("important");

});

(2)Remove class

==> jQuery removeClass() Method

The following example shows how to remove a specific class attribute from different elements:

Example:

$("button").click(function(){

$("h1, h2, p").removeClass("blue");

});

(3)Toggle class

===> jQuery toggleClass() Method

The following example will show how to use the jQuery toggleClass() method. This method toggles between adding/removing classes from the selected elements:

ExampleL:

$("button").click(function(){

$("h1, h2, p").toggleClass("blue");

});

(4)Jqurey Animation

jQuery Animations - The animate() Method

The jQuery animate() method is used to create custom animations.

====> Syntax:

$(selector).animate({params},speed,callback);

The required params parameter defines the CSS properties to be animated.

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the animation completes.

The following example demonstrates a simple use of the animate() method; it moves a <div> element to the right, until it has reached a left property of 250px:

(1).Example:

$("button").click(function(){

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

});

(2). $("button").click(function(){

$("div").animate({

left: '250px',

opacity: '0.5',

height: '150px',

width: '150px'

});

});

**Q 3.How to create slider with animation?**

Ans:The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the sliding completes.

The following example demonstrates the slideDown() method:

Examples

jQuery slideDown()

Demonstrates the jQuery slideDown() method.

jQuery slideUp()

Demonstrates the jQuery slideUp() method.

jQuery slideToggle()

Demonstrates the jQuery slideToggle() method.

Example:1

$("#flip").click(function(){

$("#panel").slideDown();

});

\*\*\*\*\*\*\*SLIDE UP\*\*\*\*\*\*\*\*\*\*

jQuery slideUp() Method

Example:

Slide-up (hide) all <p> elements:

$("button").click(function(){

$("p").slideUp();

});

\*\*\*\*\*\*\*SLIDE DOWN\*\*\*\*\*\*\*\*\*

jQuery slideDown() Method

Example:

Slide-down (show) all hidden <p> elements:

$("button").click(function(){

$("p").slideDown();

});

\*\*\*\*\*SLIDE TOGGLE\*\*\*\*\*\*

jQuery slideToggle() Method

Example:

Toggle between slideUp() and slideDown() for all <p> elements:

$("button").click(function(){

$("p").slideToggle();

});

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