1. **What is jQuery?**

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.

1. **Is jQuery a programming language?**

No, jQuery is a JavaScript library. It doesn't have its own syntax, but rather a set of conventions for using JavaScript syntax.

1. **What is the difference between JavaScript and jQuery?**

The main difference is: JavaScript is a *programming language*, while jQuery is a *library*.

|  |  |
| --- | --- |
| **JavaScript** | **Jquery** |
| JavaScript is a language. Example: JQuery like a foreign language which is already built by JavaScript which is unknown to you what kind of JS is written there, you are just using it. | JQuery is a framework built with JavaScript to help JavaScript programmers who are doing common web tasks. Example: But if you goto a country where it is spoken, a guide can still help you along, making your journey easier. jQuery is one of many frameworks which provide help in areas that can be frustrating when writing plain JavaScript. |
| If you use JavaScript, you need to write you own scripting which may take time. | If you use JQuery, you need not to write much scripting which already exists in JQuery. |
| Developers need to handle by writing their own JavaScript code. | JQuery is a multi-browser JavaScript library designed to simplify the client-side scripting of HTML. |

1. **Is jQuery replacement of JavaScript?**

No. JavaScript is a full-fledged scripting language and JQuery is an specific implementation of JavaScript. JQuery is a JavaScript library. JQuery compiles and interprets with the JavaScript compiler and interpreter. Without JavaScript, JQuery doesn’t even exist.

So, we can say that JQuery is for the purpose of assisting JavaScript and not for replacing JavaScript.

1. **What are the effects methods used in jQuery?**

These are some effects methods used in jQuery:

* show()
* hide()
* toggle()
* fadeIn()
* fadeOut()

1. **Is it possible that jQuery HTML work for both HTML and XML document?**

No, jQuery HTML only works for HTML document. It doesn't work for XML documents.

1. **What is $() in jQuery library?**

The $() function is an alias of jQuery() function. It is used to wrap any object into jQuery object which later facilitates you to call various method defined jQuery object. You can pass a selector string to $() function and it will return jQuery object which contains an array of all matched DOM elements.

1. **Is jQuery library used for server scripting or client scripting?**

It is a library for client side Scripting.

1. **Is jQuery a W3C standard?**

No, jQuery is not a W3C standard

1. **What is the starting point of code execution in jQuery?**

$(document).ready() function is the starting point of jQuery code. It is executed when DOM is loaded.

1. **What is the basic requirement to start with the jQuery?**

You need to make reference of its library to start with jQuery. You can download the latest version of jQuery from jQuery.com.

1. **Can you use a special character in place of $ (dollar sign) in jQuery?**

Yes.

1. **Can you use multiple document.ready() function on the same page?**

Yes. You can use any number of document.ready() function on the same page.

1. **What is the difference between find and children methods?**

Find method is used to find all levels down the DOM tree while children method is used to find single level down the DOM tree.

1. **What is a CDN?**

CDN stands for Content Delivery Network or Content Distribution Network. It is a large distributed systems of servers deployed in multiple data centers across the internet.

1. **What is the goal of CDN and what are the advantages of using CDN?**

The main goal of the CDN is to provide content to the end-users with high availability and high performance.

**Advantages of using CDN:**

* It reduces the load from the server.
* It saves bandwidth. jQuery framework is loaded faster from these CDN.
* If a user visits regularly a site which is using jQuery framework from any of these CDN, it will be cached.

1. **How can you use jQuery library in your project?**

You can use jQuery library in ASP.Net project from downloading the latest jQuery library from jQuery.com and include the references to the jQuery library file in your HTML/PHP/JSP/Aspx page.

**<script** src="\_scripts/jQuery-1.2.6.js" type="text/javascript"**></script>**

**<script** language="javascript"**>**

$(document).ready(function() {

alert('test');

});

**</script>**

1. **What are selectors in jQuery? How many types of selectors in jQuery?**

If you want to work with an element on the web page, first you need to find it. Selectors are used to find the HTML elements in jQuery. There are many types of selectors. Some basic selectors are:

* **Name:** It is used to selects all elements which match with the given element Name.
* **#ID:** It is used to selects a single element which matches with the given ID
* **.Class:** It is used to selects all elements which match with the given Class.
* **Universal (\*):** It is used to selects all elements available in a DOM.
* **Multiple Elements E, F, G:** It is used to selects the combined results of all the specified selectors E, F or G.
* **Attribute Selector:** It is used to select elements based on its attribute value.

1. **What is use of jQuery filter?**

: jQuery filter is used to filter the certain values from the object. It filters the result of your original query into specific elements.

1. **What are the different types of selectors in jQuery?**

ID selector and class selector are same like they are used in CSS. ID selector uses ID while class selector uses class to select elements.

If you need to select just one element, use ID selector. If you want to select a group of elements, having same CSS class, use class selector.

1. **What is the use of animate function in jQuery?**

The animate function is used to apply the custom animation effect to elements. Syntax:

$(selector).animate({params}, [duration], [easing], [callback])

Here,

* "param" defines the CSS properties on which you want to apply the animation.
* "duration" specify how long the animation will run. It can be one of following values : "slow", "fast", "normal" or milliseconds
* "easing" is the string which specify the function for the transition.
* "callback" is the function which we want to run once the animation effect is complete.

1. **How can you disable jQuery animation?**

By using jQuery property "jQuery.fx.off" and setting it to true, you can disable jQuery animation.