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**Que 1. What is jQuery?**

**Ans:**

* jQuery is fast, lightweight and feature-rich client side JavaScript Library/Framework which helps in to traverse HTML DOM,
* make animation,
* Add Ajax interaction,
* manipulate the page content,
* change the style and provide cool UI effect.

It is one of the most popular client side library and as per a survey it runs on every second website.

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**Que 2: Why do we use jQuery?**

**Ans:** Due to following Advantages

* Easy to use and learn.
* Easily expandable.
* Cross-browser support (IE 6.0+, FF 1.5+, Safari 2.0, Opera 9.0+)
* Easy to use for DOM manipulation and traversal .
* Large pool of Built-In methods.
* Ajax capabilities.
* Methods for changing or applying CSS
* Creating animation
* Event detection and handling.
* Tons of plug-ins for all kind of needs.

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**Que 3: How JavaScript and JQuery are different?**

**Ans:** Javascript is a language while JQuery is a library built in the javascript language,

That helps to use the JavaScript language.

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**Que 4: Is JQuery is replacement of JavaScript?**

**Ans: No.**

JQuery is not a replacement of javascript.

JQuery is different library which written on top of javaScript.

jQuery is lightweight JavaScript library that emphasizes interaction between JavaScript and HTML.

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**Que 5: Is jQuery a library for client scripting or server scripting?**

**Ans:** Client Side Scripting.

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**Que 6: Is jQuery is W3C standard.**

**Ans:** No.

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**Que 7: Which is the starting point of code execution in jQuery?**

**Ans:** The starting point of jQuery code execution is

$(document).ready() function which is executed when DOM is loaded.

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**Que 8: What does doller sign ($) means in jQuery?**

**Ans:** Doller sign is nothing but it’s an alias for jQuery. Take a look at below jQuery code.

$(document).ready(function(){

});

Over here $ sign can be replaced with “jQuery” keyword.

jQuery(document).ready(function(){

});

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**Que 9: Can we have multiple number of document.ready() function on the same page?**

**Ans:** Yes, We can have any number of document.ready() function on the same page.

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**Que 10: Can we use our own specific character in place of $ sign in jQuery?**

**Ans:** Yes. It is possible using jQuery.noConflict().

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**Que 11: What is jQuery.noComflict?**

**Ans:** As other client side libraries like MooTools, Prototype can be used with jQuery and they also use $() as their global function and to define variables.

This situation creates conflict as $() is used by jQuery and other library as their global function.

To overcome from such situations, jQuery has introduced jQuery.noConflict().

jQuery.noConflict();

//use jQuery via jQuery(…)

jQuery(document).ready(function(){

jQuery(“div”).hide();

});

//You can also use your own specific character in the place of $ sign in jQuery.

var $j=jQuery.noComflict();

//use jQuery via jQuery(…)

$j(document).ready(function(){

$j(“div”).hide();

});

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**Que 12: What is the difference between .js and .min.js?**

**Ans:** jQuery library comes in 2 different versions Development and Production/Deployment.

The Deployment version is also known as minified version.

So .min.js is basically the minfied version of jQuery library file.

Both the files are same as far as the functionality is concerned.

But, .min.js is quite small in size so it loads quickly and saves bandwidth.

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**Que 13: What is a CDN?**

**Ans:** A content delivery netwok / Content Distribution Network is a large distribution system of servers deployed in multiple data centers across the internet.

The goal of a CDN is to serve content to end-users with high availability and high performance.

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**Que 14: Why there are two different version of jQuery library?**

**Ans:** jQuery library comes in 2 different versions.

* Development
* Production / Deployment
* The development version is quite useful at development time as jQuery is open source, and if you want to change something then you can make those changes in development version.
* But the deployment version is minified version or compress version so, it is impossible to make changes in it. Because it is a compressed, so its size is very less than the production version which affects the page load time.

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**Que 15: What are the selectors in jQuery and how many types of selectors are there?**

**Ans:**

* To work with and element first we need to find them.
* To find the html element in jQuery we use selectors.
* There are many types of selectors, but basic selectors are:
  + Name: Select all the element which match with given element name.
  + #Id: Select a single element which matches with given ID.
  + .class: Select all element which matches with given class name.
  + Universal(\*) : Select all element available in DOM.
  + Attribute element: Select all elements based on its attribute value.

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**Que 16: How do you select element by ID in jQuery?**

**Ans:** TO select element use ID selector. We need to prefix the ID with # (hash symbol).

For example, to select element with ID “txtName”, then syntax would be,

**$( ‘#txtName’ )**

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**Que 17: What does $(“div”) will select?**

**Ans:** This will select all the div elements on the page.

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**Que 18: How to select element having a particular class (“.selected”)?**

**Ans: $(‘.selected’)**

This selector is known as class selector. We need to prefix the class name with “.” (dot)

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**Que 19: What does $(“div.parent”) will select?**

**Ans:** All the div element with parent class.

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**Que 20: What are the fastest selectors in jQuery?**

**Ans:** ID and element selectors are the fastest selectors in jQuery.

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**Que 21: What are the slow selectors in jQuery?**

**Ans:** Class selector are the slow compare to ID and element.

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**Que 22: How jQuery selectors are executed?**

**Ans:** Your last selector is always executed first.

For Example, in below jQuery code, jQuery will first find all the elements with class “.MycssClass” and after that it will reject all the other elements which are not in “p#elmlD”.

$(“p#elemlD.MycssClass”);

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**Que 23: Which is the fast document.getElementById(‘txtName’) / $(‘#txtName’) ?**

**Ans:** Native JavaScript is always fast.

jQuery method to select txtName “$(‘#txtName’)” will internally makes a call to document.getElementById(‘txtName’).

As jQuery is written on top of JavaScript and it internally uses JavaScript only so JavaScript is always fast.

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**Que 24: What is use of jquery.each() function.**

**Ans:**

* The $.each() function is used to **iterate over a jQuery object**.
* The $.each() function can be used to **iterate over any collection**, whether it is an object or an array.

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**Que 25: What is difference between jQuery.size() and jQuery.length?**

**Ans:**

jQuery.size() method return the number of element in object, But it is not performed to use the size() method as jQuery provide .length property and which does the same thing.

But the .length property is preferred because it does not have the overhead of a function call.

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**Que 26: What is difference between $(‘div’) and $(‘<div/>’) in jQuery?**

**Ans:**

$(‘<div/>’) : This creates a new div element. However this is not added to DOM tree unless you don’t append it to any DOM element.

$(‘div’) : This selects all the div element present on the page.

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**Que 27: What is difference between parent() and parents() in jQuery?**

**Ans:** The basic difference is the parent() function traverse only one level in DOM tree,

Where parents() function search through the whole DOM tree.

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**Que 28: What is the difference between eq() and get() method in jQuery?**

**Ans:** eq() returns element as a jQuery object. This method construct a new jQuery object from one element within that set and returns it. That means that you can use jQery function on it.

get() returns a DOM element. The method retrieve the DOM element match by the jQuery object. But as it is a DOM element and it is not a jQuery-Wrapper object. So jQuery function can’t be used.

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**Que 29: How to disable jQuery animation?**

**Ans:** Using jQuery property “jQuery.fx.off”, which when set to true, disable all the jquery animation.

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**Que 30: How do you stop the currently running animation()?**

**Ans:** using jQuery “.stop()” method.