AJAX 1

3. As describe earlier, ajax is not a technology but group of inter-related technologies. AJAX technologies includes:

* HTML/XHTML and CSS
* DOM
* XML or JSON
* XMLHttpRequest
* JavaScript

<http://career.guru99.com/top-50-ajax-interview-questions-answers/2/>

Four ready state   
  
0: request not initialized   
1: server connection established  
2: request received   
3: processing request   
4: request finished and response is ready

JSON format supports the following data types −

|  |  |
| --- | --- |
| Type | Description |
| Number | double- precision floating-point format in JavaScript |
| String | double-quoted Unicode with backslash escaping |
| Boolean | true or false |
| Array | an ordered sequence of values |
| Value | it can be a string, a number, true or false, null etc |
| Object | an unordered collection of key:value pairs |
| Whitespace | can be used between any pair of tokens |
| null | empty |

What are the components of the ASP.NET Ajax Client Library?

Following components are used in Ajax client library:

* Component Layer
* Core Services Layer
* Browser Compatibility Layer

**How can you test the Ajax code?**

JSUnit is the client side javascript code used as part of JUnit. JSUnit has been used for Ajax code.

15-What are the advantages of Ajax?

Following are the advantages of Ajax:

* Bandwidth utilization – It saves memory when the data is fetched from the same page.
* More interactive
* Speeder retrieval of data

The ASP.NET Ajax server extensions framework comprises of the following components:

* The Application services bridge - this is used to provide access to the application services that are available as part of the ASP.NET framework
* The Web services bridge - this is used to consume external web services from the client side scripts
* The ASP.NET Ajax Server Controls - these are server controls provided as part of the ASP.NET Ajax server extensions framework for Ajax support in ASP.NET

<http://wordpress.guru99.com/top-50-ajax-interview-questions-answers/>

16--- Ajax uses HTTP’s GET or POST. AJAX also uses XMLHttpRequest protocol for requesting to the web server.  
- AJAX uses JSON format to communicate between client and server. UED or URL encoded data formats can also be used.

Registers the client script include with the [Page](https://msdn.microsoft.com/en-us/library/system.web.ui.page(v=vs.110).aspx) object.

**Namespace:**   [System.Web.UI](https://msdn.microsoft.com/en-us/library/system.web.ui(v=vs.110).aspx)  
**Assembly:**  System.Web (in System.Web.dll)

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| System_CAPS_pubmethod | [RegisterClientScriptInclude(String, String)](https://msdn.microsoft.com/en-us/library/2552td66(v=vs.110).aspx) | Registers the client script with the [Page](https://msdn.microsoft.com/en-us/library/system.web.ui.page(v=vs.110).aspx) object using a key and a URL, which enables the script to be called from the client. |
| System_CAPS_pubmethod | [RegisterClientScriptInclude(Type, String, String)](https://msdn.microsoft.com/en-us/library/kx145dw2(v=vs.110).aspx) | Registers the client script include with the [Page](https://msdn.microsoft.com/en-us/library/system.web.ui.page(v=vs.110).aspx) object using a type, a key, and a URL. |

|  |
| --- |
| What are the some common Ajax frameworks, apart from the ASP.NET Ajax framework? |
|  | Some common Ajax frameworks are the following:   * Atlas * AJAXPro.NET * MagicAJAX.NET * Anthem.NET |

24. <http://www.webreference.com/programming/asp/AJAX-Server-Extensions/index.html>

jQuery

2. <http://www.javaworld.com/article/2078613/java-web-development/6-reasons-you-should-be-using-jquery.html>

6. Given a jQuery object that represents a set of DOM elements, the .eq() method constructs a new jQuery object from one element within that set. The supplied index identifies the position of this element in the set.

Consider a page with a simple list on it:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | <ul>  <li>list item 1</li>  <li>list item 2</li>  <li>list item 3</li>  <li>list item 4</li>  <li>list item 5</li>  </ul> |

We can apply this method to the set of list items:

|  |  |
| --- | --- |
| 1 | $( "li" ).eq( 2 ).css( "background-color", "red" ); |

The result of this call is a red background for item 3. Note that the supplied index is zero-based, and refers to the position of the element within the jQuery object, not within the DOM tree.

Providing a negative number indicates a position starting from the end of the set, rather than the beginning. For example:

|  |  |
| --- | --- |
| 1 | $( "li" ).eq( -2 ).css( "background-color", "red" ); |

This time list item 4 is turned red, since it is two from the end of the set.

7. The .detach() method is the same as [.remove()](https://api.jquery.com/remove/), except that .detach() keeps all jQuery data associated with the removed elements. This method is useful when removed elements are to be reinserted into the DOM at a later time.

## 8. event.stopPropagation()*Returns:*

**Description:***Prevents the event from bubbling up the DOM tree, preventing any parent handlers from being notified of the event.*

#### version added: [1.0](https://api.jquery.com/category/version/1.0/)[event.stopProp](https://api.jquery.com/event.stoppropagation/#event-stopPropagation)

11. **Description:***Stop the currently-running animation on the matched elements.*

#### version added: [1.2](https://api.jquery.com/category/version/1.2/)[.stop( [clearQueue ] [, jumpToEnd ] )](https://api.jquery.com/stop/#stop-clearQueue-jumpToEnd)

* + **clearQueue** (default: false)

Type: [Boolean](http://api.jquery.com/Types/#Boolean)

A Boolean indicating whether to remove queued animation as well. Defaults to false.

* + **jumpToEnd** (default: false)

Type: [Boolean](http://api.jquery.com/Types/#Boolean)

A Boolean indicating whether to complete the current animation immediately. Defaults to false.

#### version added: [1.7](https://api.jquery.com/category/version/1.7/)[.stop( [queue ] [, clearQueue ] [, jumpToEnd ] )](https://api.jquery.com/stop/#stop-queue-clearQueue-jumpToEnd)

* + **queue** (default: false)

Type: [String](http://api.jquery.com/Types/#String)

The name of the queue in which to stop animations.

* + **clearQueue**

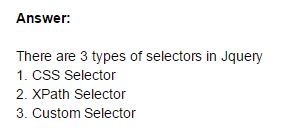
Type: [Boolean](http://api.jquery.com/Types/#Boolean)

A Boolean indicating whether to remove queued animation as well. Defaults to false.

* + **jumpToEnd** (default: false)

Type: [Boolean](http://api.jquery.com/Types/#Boolean)

A Boolean indicating whether to complete the current animation immediately. Defaults to false.



<http://stackoverflow.com/questions/21081694/what-are-the-types-of-jquery-selectors>

Following are selectors in jQuery to access element using jQuery - 1) Class Selector $(".classbane") 2) Id Selector $("#div1") 3) Element Selector $("p") 4) Universal (all elements) $("\*")There are many more selectors to select based on input type, attribute value

<https://www.tutorialspoint.com/jquery/jquery_mock_test.htm?min=76&max=100>

## 19. jQuery.grep( array, function [, invert ] )*Returns:*[*Array*](http://api.jquery.com/Types/#Array)

**Description:***Finds the elements of an array which satisfy a filter function. The original array is not affected.*

#### version added: [1.0](http://api.jquery.com/category/version/1.0/)[jQuery.grep( array, function [, invert ] )](http://api.jquery.com/jquery.grep/#jQuery-grep-array-function-invert)

* + **array**

Type: [ArrayLikeObject](http://api.jquery.com/Types/" \l "ArrayLikeObject)

The array-like object to search through.

* + **function**

Type: [Function](http://api.jquery.com/Types/#Function)( [Object](http://api.jquery.com/Types/#Object) elementOfArray, [Integer](http://api.jquery.com/Types/#Integer) indexInArray ) => [Boolean](http://api.jquery.com/Types/#Boolean)

The function to process each item against. The first argument to the function is the item, and the second argument is the index. The function should return a Boolean value. this will be the global window object.

* + **invert**

Type: [Boolean](http://api.jquery.com/Types/#Boolean)

If "invert" is false, or not provided, then the function returns an array consisting of all elements for which "callback" returns true. If "invert" is true, then the function returns an array consisting of all elements for which "callback" returns false.

The $.grep() method removes items from an array as necessary so that all remaining items pass a provided test. The test is a function that is passed an array item and the index of the item within the array. Only if the test returns true will the item be in the result array.

The filter function will be passed two arguments: the current array item and its index. The filter function must return 'true' to include the item in the result array.

20. <https://jsfiddle.net/jquery4u/pHtbq/>

22. By using jQuery.holdReady() function we can hold or release the execution of jQuery’s ready event.  
-This method should be call before we run ready event.  
-To delay the ready event, we have to call

jQuery.holdReady(true);

-When we want to release the ready event then we have to call  
jQuery.holdReady(false);  
-This function is helpful when we want to load any jQuery plugins before the execution of ready event.

2nd

<https://spider21.wordpress.com/2013/02/02/javascript-quiz-qa/>

<http://www.blog.qualitypointtech.com/2010/01/javascript-quiz-questions-and-answers.html#jscriptans>

<http://www.blog.qualitypointtech.com/2010/12/javascript-quiz-questions-part-2.html#js_ans>

<http://www.slideshare.net/scvinodkumar/javascript-question>

<http://sreenathvanmelil.weebly.com/javascript.html>

<https://m.facebook.com/itmcqtest/posts/249080995231133>

#### Ques 1 : JQuery is the programming language

Answer : No

#### Ques 2 : CDN stands for\_\_\_\_\_\_\_

Answer : Content Distribution Network

#### Ques 3 : Which tag(s) can handle mouse events in Netscape?

Answer : <a>

#### Ques 4 : Which of the following is a JavaScript datatype?

Answer : All of above

#### Ques 5 : In which version of the jquery, efficiency of the web page increased.

Answer : minified version

#### Ques 6 : The \_\_ operator determines the type of a given object.

Answer : typeof

#### Ques 7 : Which of the following JQuery method setups global settings for AJAX requests?

Answer : jQuery.ajaxSetup( options )

#### Ques 8 : What is the alternate name for Java script?

Answer : ECMAScript

#### Ques 9 : To enable data tainting, the end user sets the \_\_\_\_\_\_\_\_\_ environment variable.

Answer : NS\_ENABLE\_TAINT

#### Ques 10 : Which of the following jQuery method returns the outer height (including the border) of an element?

Answer : outerHeight( [margin] )

#### Ques 11 : What does .size() method of jquery returns?

Answer : No. of element in object

#### Ques 12 : In JavaScript, \_\_\_\_\_\_\_\_\_ is an object of the target language data type that encloses an object of the source language.

Answer : a wrapper

#### Ques 13 : Which popup box you use to verify something from user?

Answer : confirm("Write some text here")

#### Ques 14 : What are variables used for in JavaScript Programs?

Answer : Storing numbers, dates, or other values

#### Ques 15 : 1)jquery.size() 2) jquery.length Which is faster?

Answer : jquery.length

#### Ques 16 : The\_\_\_\_\_\_ method is used to represent an array or an object in serialize manner.

Answer : param()

#### Ques 17 : Using \_\_\_\_\_\_\_\_ function, we can hold or release the execution of JQuery's ready event.

Answer : jQuery.holdReady()

#### Ques 18 : The \_\_\_\_\_\_\_\_ method works for accepting an array of DOM elements and pushes them into a stack.

Answer : pushStack()

#### Ques 19 : To deal with cookies in JQuery we have to use \_\_\_\_\_\_ cookie plugin

Answer : Dough

#### Ques 20 : Which of the following method is used to hide the selected elements?

Answer : hide()

function getRandomInt(min, max) {

return Math.floor(Math.random() \* (max - min + 1)) + min;

}

here are 5ready state in ajax. these are :

ready state 0: request not initialized

ready state 1: server connection established

ready state 2: request received

ready state 3: processing request

ready state 4: request finished and response is ready