jQuery interview questions and answers part 2

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Part 1 Part 2 Part 3 Part 4 Part 5

28. How can jquery library be added to pages? Write a basic jquery code?

The jquery library is a collection of all the jquery methods. It is stored in the form of a single java script file. Th format of adding a jquery file to an html page is:
```
<head>
<script type="text/javascript" src"jquery.js"></script>
</head>
```
An example of a javascript that will hide all the <p> elements in the page.
```
<html>
<head>
<script type="text/javascript" src="jquery.js"></script>
<script type="text/javascript">
$(document).ready(function(){
$("button").click(function(){
$("p").hide();
});
});
</script>
</head>

<body>
<h2>This is a heading</h2>
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
<button>Click me</button>
</body>
</html>
```

29. What are the types of selectors that are used in jquery? Give examples.

Jquery enables the user to select specifically the element that is to be effected. jquery allows the user to select in the following ways:
- jquery element selectors: with the use of css selectors the users can select the elements of an html document.
For ex.
$("p") will select all the <p> elements.
$("p.intro") will select all <p> elements with class="intro" defined in them.
$("p#demo") this will select all <p> elements with id="demo".
-jquery attribute selectors: the xpath expressions are used by jquery to select elements of an html document with defined attributes.
For ex.
$("[href]") is used to select all elements which have an href attribute.
$("[href$='.jpg']") can select all elements with an href attribute which will end with ".jpg".

30. How can images be made to appear scrolling one over another?

Jquery provides the user with the ability to change the attributes of a property dynamically. The jquery slide method can be used to change the height of elements gradually. This can be used to give the scroll effect of an image over image.
The jquery comprises of the following slide methods:
- $(selector).slideDown(speed,callback)
- $(selector).slideUp(speed,callback)
- $(selector).slideToggle(speed,callback)
The speed parameter is used to effect the speed of change of the jquery. The parameters for it can be slow, fast , normal and time in milliseconds. The parameter of callback is used to refer to the name of the

function to be executed once the completion of function occurs.

31. What are the various ajax functions ?

Ajax allows the user to exchange data with a server and update parts of a page without reloading the entire page. Some of the functions of ajax are as follows:
- $.ajax(): This is considered to be the most low level and basic of functions. It is used to send requests .
This function can be performed without a selector.
- $.ajaxSetup(): This function is used to define and set the options for various ajax calls.
For ex.
```
$.ajaxSetup({
"type":"POST",
"url":"ajax.php",
"success":function(data){
$("#bar")
.css("background","yellow")
.html(data);
}
});
```
- Shorthand ajax methods: They comprise of simply the wrapper function that call $.ajax() with certain parameters already set.
- $.getJSON(): this is a special type of shorthand function which is used to accept the url to which the requests are sent. Also optional data and optional callback functions are possible in such functions.

32. What are the guidelines for an application to follow the principles of progressive enhancement.

Progressive enhancement is web development technique that would allow the application to be accessible to any computer with any Internet connection. For an application to work on the principles of progressive enhancement the following rules / guidelines must be met:
- The basic content must be available to all browsers with any type of Internet connections.
- The basic functionalities of an application must be working in all browsers.
- The application will not override any of the user specified browser settings.
- The css files are linked externally to control the look and feel of the page.
- The javascripts should also be externally linked as it can enhance the user experience.

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