**Powa Technologies Limited**

**Preliminary JavaScript Software Engineer Questions**

This is a multi-choice assessment to be asked either in-house or over the phone. There are 20 questions and there is only one correct answer from the possible choices to each question. You may choose 4 questions out of each subject area to ask a Candidate (therefore a total of 12 questions should be asked). If a Candidate scores more than 8 correct answers then please refer them through to me for further consideration. I need their answers to each question to determine how to proceed with further questions.

The technologies covered are JavaScript, jQuery, HTML and CSS .

|  |  |
| --- | --- |
| Subject Area | Number Of Questions |
| jQuery | 4 |
| JavaScript | 6 |
| HTML and CSS | 10 |

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# jQuery

**1. What does the $ symbol mean in jQuery?**

1. $ is an alias for JQuery
2. $ defines a variable
3. $ is used for comments

The correct answer is **a**.

**2. How is the body.onload() function different from the document.ready()**

1. Body.onload() is called before anything on the page is loaded
2. Document.ready() is called as soon as the DOM is loaded
3. You can have more than one Body.onload() in a page

The correct answer is **b**.

## 3. What does the selector $(“div”) select?

1. All div elements
2. The last div element
3. The first div element

The correct answer is **a**

## 4. Which jQuery method is used to hide selected elements?

1. hidden()
2. display(none)
3. hide()
4. visible(false)

The answer is **c**.

# JavaScript

## What is the value of x? x=4+"4";

1. 44
2. 8
3. 4
4. Error output

The correct answer is **a**.

## It is possible to nest functions in JavaScript

1. true
2. false

The correct answer is **a**.

## In javascript, RegExp Object Method test() is used to search a string and returns \_\_\_\_\_\_\_

1. true or false
2. found value
3. index
4. None of the above

The correct answer is **a**.

## What property would you use to redirect a visitor to another page?

1. document.URL
2. window.location.href
3. document.location.href
4. link.href

The correct answer is **b**.

## What method is used to remove focus from the specified object?

1. blur()
2. focus()
3. None of these

The answer is **a**.

## eval(20\*4)=?

1. Nan
2. 204
3. 24
4. 80

The answer is **d**.

## Design and build a JQuery JavaScript application that does the following

* Design a login screen requesting a username and password
* Accepts a username and password
* Client-side validates that the username is:
* Alphabetic only
* Not null or empty
* Is 8 character long
* Client side validates that password is
* Not null or empty
* Is 8 character s long
* Display an appropriate error dialog box if any of the username and password is invalid
* After the user has entered a valid username and password, clear the page then;
* Perform an AJAX request to the BBC News for the top 10 Technology stories provided as an RSS FEED (<http://www.bbc.co.uk/news/10628494>)
* On the same screen show a logout button
* When the logout button is pressed by the user, it should log them out and return to the login screen.

# HTML and CSS

## In HTML using GET in a FORM will

1. Send the data in the BODY of the HTTP request
2. Encode the data into a URL

The correct answer is **b**.

## A 6 digit Hex color (#FF9966) defines values of Red, Blue and Green in which order?

1. #BBRRGG
2. #BBGGRR
3. #RRGGBB

The answer is **c**.

## Use<td> and </td>to add what to your tables?

1. columns
2. rows
3. steps

The answer is **a**.

## Choose the correct HTML tag to make text bold

1. <bold></bold>
2. <b></b>
3. <big></big>

The answer is **b**.

## What is the correct HTML for adding a background color?

1. <body background="yellow">
2. <background>yellow</background>
3. <body style="background-color:white">

The answer is **c**.

## Choose the correct HTML tag for the largest heading

1. <heading>
2. <h6>
3. <head>
4. <h1>

The answer is **d**.

## Hexadecimal numbers are numbers based on the value of what?

1. 10
2. 8
3. 16
4. 12

The answer is **c**.

## What is the correct HTML tag for inserting a line break?

1. <lb />
2. <br />
3. <break />

The answer is **b**.

## In CSS what is NOT a value for the position attribute?

1. absolute
2. relative
3. fixed
4. float

The answer is **d**.

## Which line of CSS would REMOVE the underline from text?

1. text-decoration:underline;
2. text-decoration:none;
3. text-decoration:underline-none;

The correct answer is **b**.