

### 13. Answer:

Yes, I have completed quizzes answer.

Your Score : **6 / 10**

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### 15. Answer:

#### AngularJs:

AngularJS simplifies application development by presenting a higher level of abstraction to the developer. Like any abstraction, it comes at a cost of flexibility. In other words, not every app is a good fit for AngularJS.

AngularJS was built with the CRUD application in mind. Luckily CRUD applications represent the majority of web applications. To understand what AngularJS is good at, though, it helps to understand when an app is not a good fit for AngularJS.

Games and GUI editors are examples of applications with intensive and tricky DOM manipulation. These kinds of apps are different from CRUD apps, and as a result are probably not a good fit for AngularJS. In these cases it may be better to use a library with a lower level of abstraction, such as jQuery.

#### Bootstrap:

After its open source release in 2011, Bootstrap became popular very quickly, and not without reason. Web designers and

web [developers like Bootstrap](#) because it is flexible and easy to work with. Its main advantages are that it is responsive by design, it maintains wide browser compatibility, it offers consistent design by using re-usable components, and it is very easy to use and quick to learn. It offers rich extensibility using JavaScript, coming with built-in support for jQuery plugins and a programmatic JavaScript API. Bootstrap can be used with any IDE or editor, and any server side technology and language, from ASP.NET to PHP to Ruby on Rails.

With Bootstrap, [web developers](#) can concentrate on the development work, without worrying about design, and get a good looking website up and running quickly. Conversely, it gives web designers a solid foundation for creating interesting Bootstrap themes.

## **ReactJs:**

React is a JavaScript-based UI development library. Facebook and an open-source developer community run it. Although React is a library rather than a language, it is widely used in web development. The library first appeared in May 2013 and is now one of the most commonly used frontend libraries for web development.

React offers various extensions for entire application architectural support, such as Flux and React Native, beyond mere UI.

- Easy creation of dynamic applications: React makes it easier to create dynamic web applications because it requires less coding and offers more functionality, as opposed to JavaScript, where coding often gets complex very quickly.
- Improved performance: React uses Virtual DOM, thereby creating web applications faster. Virtual DOM compares the components' previous states and updates only the items in the

Real DOM that were changed, instead of updating all of the components again, as conventional web applications do.

- Reusable components: Components are the building blocks of any React application, and a single app usually consists of multiple components. These components have their logic and controls, and they can be reused throughout the application, which in turn dramatically reduces the application's development time.

## **Node.js:**

As an asynchronous event-driven JavaScript runtime, Node.js is designed to build scalable network applications. In the following "hello world" example, many connections can be handled concurrently. Upon each connection, the callback is fired, but if there is no work to be done, Node.js will sleep.

This is in contrast to today's more common concurrency model, in which OS threads are employed. Thread-based networking is relatively inefficient and very difficult to use. Furthermore, users of Node.js are free from worries of dead-locking the process, since there are no locks. Almost no function in Node.js directly performs I/O, so the process never blocks except when the I/O is performed using synchronous methods of Node.js standard library. Because nothing blocks, scalable systems are very reasonable to develop in Node.js.

## **16. Answer:**

The JavaScript Debugger enables we to step through JavaScript code and examine or modify its state to help track down bugs. We can use it to debug code running locally in Firefox or running remotely, for example on

an Android device running Firefox for Android. See [remote debugging](#) to learn how to connect the debugger to a remote target.