**Section 2\_Quiz  
  
HTML, CSS and JavaScript Quiz**

**Cool bananas!**You've completed the second section.

You now understand the different roles that the 3 most popular programming languages take. Specifically, you use HTML to code up the basic **structure**of sites, you use CSS to control the **presentation**, formatting, and layout of a site, and finally you have JavaScript which is used to control the **behavior**of different elements on a page.

These 3 programming languages are typically the foundation of any website, which is why this section was so important.

Now it's time to have fun with these questions. It doesn't matter if you get some of them wrong. I've deliberately made some of the answers close to correct to shed more light on the subject.

Enjoy.

Top of Form

Question 1:

What is the relationship between HTML, CSS and JavaScript?

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**They are all server side programming languages**

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**They are all different programming languages, but often used together to build a website. HTML structures a page, CSS styles it, and JavaScript makes it interactive**

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**HTML styles a page, CSS adds interaction and JavaScript structures a page**

Bottom of Form

Answer: B - Nice job! Web pages can be developed with a wide range of different coding and programming languages, some of which are more complex than others. Some of the most common languages include HTML, CSS, JavaScript, PHP, Python, React, Node.js, Ruby, and SQL. While some languages are exceedingly popular, the primary languages of HTML, CSS, and JavaScript should be enough for you to understand the basics of web design and development.

Top of Form

Question 2:

What is AJAX?

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**AJAX is a programming language**

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**With AJAX, your website can send and retrieve data from a server asynchronously (i.e. without refreshing the page)**

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**AJAX stands for Asynchronous Java And XML**

Bottom of Form

Answer: B - Correct. And a piece of interesting information: AJAX can be a misleading name, because many sites transport data (via AJAX) using plain text or JSON text and not XML

Top of Form

Question 3:

Is JavaScript the same as Java?

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**Absolutely. They both share the same name, and are therefore the same language**

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**No, they are 2 entirely different languages**

Bottom of Form

Answer: B - Because JavaScript has “Java” in its name, many people assume that Java and JavaScript are somehow related. Just remember, "Java is to JavaScript as Ham is to Hamster".

Top of Form

Question 4:

What are some similarities between JavaScript and Java?

* 

**They can both run on servers, both run on the browser both have libraries and frameworks**

* 

**They both run on the browser, both are compiled languages and both involve runtime only debugging**

* 

**They both run on a virtual machine, both can run on browsers and both are compiled**

Bottom of Form

Answer: A

Top of Form

Question 4:

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Bottom of Form

Answer: C - Correct. But bear in mind, all software has bugs. This holds true for JavaScript as well as the browsers that run JavaScript. Some of those bugs can be exploited to bypass the sandbox. But generally, if you’re up to date with browsers, you’re likely to be safe