**Quick Check 1**

1. **What is the difference between the post method and the get method?**

The post method appends the form data to the body of the HTTP request, and a get method appends the data as a query string to the website’s URL.

1. **Why do you apply the decodeURIComponent() method to data value enclosed within a query string?**

Because some characters are not allowed within a query string to prevent confusing the web browser because they are used in the URL pathname. So a / will show as %2F in the URL and you can decode it back to human readable text.

1. **What character is used within a query string to separate *name*=*value* pairs?**

The ampersand character (&)

**Quick Check 2**

1. **What is the same-origin policy?**

A security standard that restricts the transfer of data between web pages if they do not share the same protocol, port, and host.

1. **Provide code to create a session storage object named orderQty that stores a value of 5.**

sessionStorage.setItem(“orderQty”, "5”);

1. **Provide code to retrieve the value of the orderQty key from session storage.**

sessionStorage.getItem(“orderQty”);

1. **Provide code to delete the orderQty key from session storage.**

sessionStorage.removeItem(“orderQty”);

**Quick Check 3**

1. **What are the two types of cookies?**

Session cookies: exists only for the current browser session.  
Persistent cookies: exists beyond the current browser session.

1. **Provide a statement to store the text string "Jolene Jones" in the username cookie.**

document.cookie = “username=” + encodeURIComponent(“Jolene Jones”);

1. **At what substring should you split the value of document.cookie object to retrieve individual *name*=*value* pairs?**

You should split with the “; “ substring.  
Example: document.cookie.split(“; “);

1. **How do you delete a cookie with JavaScript?**

If it is a session cookie, just close the browser and reopen the page for it to be deleted automatically. If it’s a persistent cookie, you can set the expiration date to a past date, set the max-age attribute to zero or delete it manually in the browser’s developer tools.

**Quick Check 4**

1. **What is secure coding or defensive coding?**

Writing code in a way that minimizes accidental security issues by validating all user inputs, keeping client information private, and protecting against malicious tampering.

1. **What is a code injection attack?**

When a user enters code that changes the function of the web page.

1. **What are third-party scripts?**

When you use the script element with a src to someone else’s content so you can run their widgets or programs on your web page.