Quiz 2

1) **Why do we need form validation?**

   Form validation is required to prevent web form abuse by malicious users. Improper validation of form data is one of the main causes of security vulnerabilities. So form validation is used to check that the user entered valid data.

2) **At which point we invoke the form validation?**

   When you submit a form that resides on the server, it is usually programmed to do its own check for errors. If it finds any it sends the page back to the reader who then has to re-enter some data, before submitting again. A JavaScript check is useful because it **stops the form from being submitted if there is a problem**, saving lots of time for your readers.

3) **What is modularizing validation?**

   Modularizing validation means writing a function for each data type you might want to validate, create a validation routine for your form that goes through each field and tests it using the relevant written function and hook your validation routine up with the form's on submit.

4) **Why is modularizing useful?**

   Modularizing helps developer's separate functionality and organize the codebase. And also in order to make functions in one JavaScript file available to just a single other JavaScript file, we can use modules. The top reasons for modular capabilities are:

   - Simplifying dependency management
   - Code Organization: let us divide up functionality of our application, provide encapsulation
   - Offers code reusability
   - Decoupling (easing pain in refactoring)
   - Code Extensibility

5) **Why do we need to sanitize user-provided inputs before displaying?**

   If an attacker can insert HTML and/or a script, they can

   - Modify how the page is displayed
   - Steal any data the user enters
   - Steal any stored access tokens(cookies)