1. Name the one child element that MUST be inside of the `<head>` element.

2. Is this an absolute or relative path?
   
   `../images/mama.jpg`
   
   a. absolute  
   b. relative

3. Take the following folder organization.

   ![Folder Structure]

   Imagine you are working on an HTML file called `index.html` in the folder named “project1”. You want to reference a CSS file named “main.css” in the folder named “week2” to use in an `<link>` tag. What is the relative URL you would use for this `<link>` tag’s “href” attribute?

4. Javascript runs on the
   
   a. Client  
   b. Server  
   c. Host   
   d. Apache

5. What is a CSS selector that would change the style of the
   
   `<h2>` element with the class attribute of “test2”?

6. What is a CSS selector that would change the style of all `<p>` elements within any div with the id “forfeit”?

7. 13. What is the main difference between XHTML and CSS?
   
   a. CSS is a client-side technology; XHTML is both client and server-side  
   b. XHTML is standards-compliant; CSS is not  
   c. XHTML is used for organizing content; CSS is used for the presentation of that content  
   d. XHTML is a subset of XCSS.

8. What two things MUST you do in CSS to get two `<p>` tags to sit side by side in a layout?

9. Call this function so that the browser shows the message, “Go away, Bob!”

   ```javascript
   function goAway(name) {
       var msg = “Go away, “ + name + “!”;  
       alert(msg);
   }
   ```

10. Write Javascript code to declare a variable named “red” and store the word “sweater” in it.
11. Describe two features that make block elements different from inline elements.

12. Give the names of 3 Javascript events:

13. JQuery runs on the (select all that apply)
   a. Client
   b. Server
   c. Network
   d. Host
   e. Web browser

14. Write the XHTML for an element that would cause this code to pop up the word “difficult question” if it were run after the page loads.
   ```javascript
   var el = document.getElementById('f1');
   var msg = el.innerHTML;
   alert(msg);
   ```

15. Assume the following valid XHTML:
   ```html
   <input type="text" id="my_email" name="my_email" value="fo@mailinator.com" />
   ```

   Why does running this Javascript code after the page loads produce an error?

16. The following is a valid function. Please write an XHTML snippet for a <div> element that when a user moused over it would call this function, and would result in an alert box that contained the message, “Ronald’s on second”

   ```javascript
   function whosOnFirst(person) {
     alert(person + "’s on second");
   }
   ```

17. Assuming this works, explain what this JQuery code does and when it does it:

   ```javascript
   $(document).ready(function() {
     $('div#flash').css("color", "red");
   });
   ```

18. JQuery is written in:
   a. Client
   b. Javascript
   c. PHP
   d. CSS
   e. Ruby on Rails

19. As a general rule of layout in XHTML and CSS. Whenever you float elements side-by-side, you must always:
   a. take a 10 minute break
   b. clear after the last float
   c. create an event handler

20. What two styles do you need to apply to center a block element within its container in CSS?