John McGowan

4/14/2023

**Module 2 Assignment**

1. Question: Explain the purpose of whitespace in HTML.
2. Answer: The purpose of whitespace in HTML is used for organization and layout of the code itself. Because HTML does not respond to whitespace itself, you could theoretically write your entire HTML code in one line. That, however, would not be indicative of good practices of writing in HTML code. By utilizing whitespace we are able to layout our HTML code in such a way that makes sense, also it helps us make changes like adding additional content.
3. Question: Explain the process for "commenting out" a line of HTML code.

2. Answer: At any point in the code you have the ability to “comment out” a part of your code. You

may want to do this to make a note to yourself or to a future coder about a particular part of the code. You may also want to “comment out” an entire section of the code itself to test the code for some reason. Whatever the reason, when you do want to “comment out” something you simply “hug” the portion of the code with <!--tag before the code and a --> tag after the code. These tags let the browser know to ignore everything inside them.

3. Question: Explain the process for getting the source code for a webpage.

3. Answer: To get the source code of a webpage you can simply right click on any white space while the website is loaded on the browser, you should get a pop up menu with options. One of the options should be “View Page Source” you should click on that option and you will be presented with the source code of the webpage. Another option is the press Ctrl+U while the Webpage is loaded in your browser, you should be presented with the source code at that time.

4. Question: How can you quickly tell the difference between HTML & CSS code?

4. Answer:To quickly tell if I am looking at a HTML page I look at the top of the page to see the “<!DOCTYPE>”. To quickly tell if the page I am looking at is CSS I look at the structure of the code; Selector, Property, and Value.

5. Question: What websites can you visit to validate your HTML and CSS code?

5. Answer: validator.w3.org and jigsaw.w3.org

6. Question: Describe the difference between a CSS selector, declaration, property, and value. You can use images to help illustrate your explanation.

6. Answer: The best way I can explain CSS is to compare it to a house. The Selector is the part of the house you want to customize like the windowsill. The Declaration is what about the part of the house you wish to customize. You can have multiple Declarations per one part of the house. First you might want to change the windowsill to metal (which is a property) stainless steel (which is a value). Second you might want to paint the windowsill a new color (which is a property) grey (which is a value). Now you have one Selector that has two Declarations about it. We get to do this for the entire house!

7. Question: Explain what the bug in the following code snippet is: <h3>ThoughtSTEM, LLC/h3>

7. Answer: The Closing tag is missing the left facing carrot to close the tag. It should read <h3>ThoughtSTEM, LLC</h3>

8. Question: Explain what the bugs in the following code snippet are: <em><p>Lorem ipsum</em> is placeholder test commonly used on the graphic, print, and publishing industries for previewing layouts and visual mockups.<p>

8. Answer: First off the <p> should start off the string of code and then the <em> should be sandwiched inside of it. Secondly the closing <p> does not have a backslash. The code should read:<p> <em>Lorem ipsum</em> is placeholder test commonly used on the graphic, print, and publishing industries for previewing layouts and visual mockups.</p>

9. Question: Explain what the bugs in the following code snippet are: <img src=”kitty.png” alt=A picture of my cat></img>

9. Answer: First off, the image tag is an “empty tag” which means it does not have a closing tag. Secondly the “alt= string” needs to be in quotations. It should read: <img src=”kitty.png” alt=”A picture of my cat”>

10. Question: Please provide the 2 URLs for the Github repositories you set up for the Book Work and the Create Your Own Website assignments in this course.

10. Answer: 1. <https://github.com/jjmthree/my_website>

2. <https://github.com/jjmthree/exercises>