1. Explain how CSS differs from HTML in the context of web development.

The way CSS different from HTML would be on the aspect that html is the structure of the web page while CSS is the style sheet that gives it colors, animations such are borders and makes it more appealing to look at by the personality it gives to the html structure.

1. List the methods of including CSS in an HTML document and briefly describe each.

One of the methods is **Inline,** which is putting the CSS code directly inside the html file but its highly recommended not to sure since it put to a specific element in the code so whatever is implemented won’t affect other elements if you were to want to do that css style to all the elements that are the same. Another would be **External** method in which the user would have to make a separate file and have all the css code in it, from there they would have to link it to their html file that way they both are connected. Lastly, the last method would be **Internal** which is the css codes will go in the head section but that css is only limited to that file and wont be able to get shared like an external one that could be used in multiple html files.

1. Describe the anatomy of a CSS rule.

The CSS anatomy on how Css is written would be with selector and the declaration. The selector is the element you would like to style in html, while the declaration is the property and value being used to style the element. This would be closed off with curly brackets instead of whats used in html.

1. When might you want to use RGBA instead of RGB?

You would want to use a RGBA when you want to include transparency to a color since RGB does not have that function.

1. How do Hex color values differ from RGB?

Hex color is made up of 6 digits that represents a color just like RGB. But with Hex it would get colors that aren’t included in the 147 RGB colors since its only limited to that amount, with Hex you can make more unique colors.

1. When might a developer prefer to use HSL over other color formats?

HSL might be prefer by developers by the ability to change colors by percentages to alter the color variation. So, by adjusting either the hue, saturation or light it would be able to fine tune the color to the developers liking or need.

1. What are the primary text properties used in CSS to modify the appearance and layout of text?

Some of the text properties for CSS are border, list-style, line-height, letter-spacing, color, text-transformation, font and as well as many others since there are so many that can do specific things to adjust the styling while other could be all of it; for example, fonts you can change multiple things but you could also just do one thing for font like “font-size.”

1. In what scenarios might it be beneficial to use vh or vw as a unit for font size?

I think a good scenario that would benefict the use of vh or vw would be all web pages because nowadays a lot of people use phones or tablets as their source of search engine and having those vh and vw would help adjust the screen to their platforms so the text can respond to their screens.

1. Explain the difference between em and rem units.

The difference between em and rem is that for rem no matter what is happening its going to only use the root of the element font size. As for em it is dictated by its closest parent it has for font size.

1. If multiple font families are listed in the font-family property, how does the browser decide which one to display?

The browser would use the first font you have listed in the font-family property, if there were to an issue with the font you have first it would go on to the second one listed. So it would be an order where is one don’t work the other are backups for it.