

Week 8: Research

1. What is CSS clearfix, how is it used, and why is it helpful?

CSS clearfix is a technique that allows an element to automatically clear its child elements, so that we do not need to add extra markup. It is useful when we have floating elements that are stacked horizontally, and we want the parent element to enclose them properly. Without clearfix, the parent element would collapse and not adjust its height to the floating children. To apply clearfix, we can use either the overflow property or a pseudo-element with clear property on the parent element. Clearfix helps us create clean and consistent layouts with CSS floats.

2. What are SaSS and LESS?

SaSS and LESS are both CSS preprocessors that extend the functionality of CSS by adding features such as variables, mixins, functions, nesting and more. SaSS stands for Syntactically Awesome Stylesheets and is based on Ruby, while LESS stands for Leaner CSS and uses JavaScript. SaSS also provides loops and case distinctions which are common in most programming languages, while LESS allows users to activate mixins based on certain conditions.

3. What is your favorite thing you learned this week?

This week, I learned about the Flex property in CSS, which has made it much easier for me to move and position elements on my webpage. It's been a valuable addition to my toolkit, and I'm excited to continue exploring its capabilities.

URLS:

[How To Clear Floats \(Clearfix\) \(w3schools.com\)](https://www.w3schools.com/css/css_clearfix.asp)

[CSS Layout - clear and clearfix \(w3schools.com\)](https://www.w3schools.com/css/css_layout_clear.asp)

[CSS Clearfix | How does Clearfix work in CSS with Examples \(educba.com\)](https://educba.com/css-clearfix-how-does-clearfix-work-in-css-with-examples/)

[Less vs. Sass - Which CSS Preprocessor is Best For You? - Udemy Blog](https://blog.udemy.com/less-vs-sass-which-css-preprocessor-is-best-for-you/)

[SASS vs LESS | Top 6 Most Useful Differences To Learn \(educba.com\)](https://educba.com/sass-vs-less-top-6-most-useful-differences-to-learn/)