

## Week 8 Research

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CSS clearfix is a small hack that solves a common problem when a floated element is taller than the container that is meant to hold it. You could include an image inside of a div and wish to float it to a particular side. In certain instances, the floated image is taller than the div and the image will appear to float over and outside the boundaries of the div, which is quite undesirable. If you include `.clearfix {overflow: auto;}` it will place it neatly back in the bounds of the container, as long as you can keep control of margin and padding settings.

Sass and Less are both CSS preprocessors, and are basically scripting languages that extend CSS and are compiled into regular CSS when it's time to implement it into your code. Both are very powerful extensions of CSS; Sass is Ruby based while Less is JavaScript based. They allow you to have cleaner code with reusable pieces and variables, make it easier to maintain saving time, are more organized and can be easier to set up. Fonts and colors can be set up as variables making for easy deployment into many different elements that may need the formatting. You can code with a nested approach similar to html, making it easier to read and not repeat yourself while styling your html. These are just a few highlights of what Sass and Less can do for you.

[https://www.w3schools.com/howto/howto\\_css\\_clearfix.asp](https://www.w3schools.com/howto/howto_css_clearfix.asp)

<https://www.keycdn.com/blog/sass-vs-less>