

Week 08 CSS – Research

CSS Question:

1. What are SaSS and LESS?
2. What is CSS clearfix, how is it used, and why is it helpful?

What are SaSS and LESS?

SaSS and LESS are Pre-processors that allow you to add variables, logic operations, and math functionalities to your CSS Code. The pre-processor is a program that ultimately writes the CSS code used in your HTML. With SaSS and LESS, you can use selectors inheritance and mix-ins that are not options with CSS. The Pre-processor's benefit is that it makes it easier to read through your style sheet; however, there is a learning curve when you start using either LESS or SaSS.

LESS stands for Leaner Style Sheets, and SaSS is Syntactically Awesome Style Sheets. The big takeaway is that LESS and SaSS is the most efficient way to write CSS code for front-end projects.

<https://dev.to/flippedcoding/the-differences-between-css-less--sass-5a74>

<https://www.codecademy.com/resources/blog/what-is-sass/>

<https://lesscss.org/#functions>

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

The clearfix issue is when two elements are floated next to each other, and the parent container resets its height to zero. The clearfix has been a long persistent bug in HTML, and in 2004, Holly Begevin attempted to fix the issue by resetting the parent container's height to 1px. This was known as the Holly Hack and worked for most browsers; however, more modifications were needed over the years and with the evolution of HTML. Tony Aslett continued to improve on the Holly Hack, and in 2006, clearfix got an update when John Gallant provided an update for IE 7, and the CSS community continued to modify the clearfix for other browsers. In 2017, Rachel Andrew summed up the end of the clearfix hack with a CSS one-liner; `display: flow-root`;

While Rachel Andrew may have been slightly too optimistic, most articles are more traditional and still recommend using the latest clearfix hack. I wish I had read this earlier in the week!

```
.clearfix:after {  
    visibility: hidden;  
    display: block;  
    font-size: 0;  
    content: " ";  
    clear: both;  
    height: 0;  
}
```

Week 08 CSS – Research

```
.clearfix { display: inline-block; }
```

```
*html .clearfix { height: 1%; }
```

```
.clearfix { display: block; }
```

<https://css-tricks.com/clearfix-a-lesson-in-web-development-evolution/>

<https://css-tricks.com/snippets/css/clear-fix/>