

Week 8: Research

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

It is a 'hack' that fixes a floated element that might be larger/taller than the containing element to fit inside of it. The taller element will 'overflow' outside of the container (like a border for instance) and can cause issues (i.e. visually).

The code is written as follows (within the element):

```
.clearfix {  
  overflow: auto;  
}
```

https://www.w3schools.com/css/css_float_clear.asp

https://www.w3schools.com/css/tryit.asp?filename=trycss_layout_clearfix

2. What are SaSS and LESS?

They are both CSS 'preprocessors'... meaning, they're a scripting language that extends CSS and then compiles them into regular CSS. The purpose of them is to make it easier to write and maintain CSS with tools (i.e. mixins, nesting, variables, and etc.) They are known to have similar features but have slight syntactical differences (Sass uses '\$' for variables vs Less uses '@'). Sass uses Ruby whereas Less uses JavaScript. They're also backwards compatible and can easily convert existing CSS files by renaming them (.css -> .less or .scss).

<https://stackoverflow.com/questions/52003198/differences-between-scss-and-less>

[https://www.keycdn.com/blog/sass-vs-](https://www.keycdn.com/blog/sass-vs-less#:~:text=Sass%20and%20Less%20are%20both,css%20file%20extension%20to%20)

[less#:~:text=Sass%20and%20Less%20are%20both,css%20file%20extension%20to%20](https://www.keycdn.com/blog/sass-vs-less#:~:text=Sass%20and%20Less%20are%20both,css%20file%20extension%20to%20)