

## Lecture 10: SASS

Writing CSS is always interesting when you face some challenging designs, but with the normal ones, when the files get long, you need some help with looking up which part of the style needs to be changed, SCSS way of writing code helps a lot.

Some of the major advantages:

- Easily displayed hierarchy of parent → child tags
- Easily maintainable
- A good number of libraries to convert to CSS in production mode
- Variables allow us to store some common properties for the whole website/file
  - They are useful when we want to define color scheme for a website
- Operators
  - We can do operations like +, -, /, \*
- We can even write trigonometric functions!
- Mixins
  - This is an amazing feature which allows us to create css properties and reuse or mix them with other properties

### Within Our Project

Now, whenever we deploy our code in production mode, all the scss should be precompiled into css and put into the assets folder because if a 1000 users are using the website, it would get regenerated everytime a user hits the url when we're using this middleware

Some good links to read!

- <https://marksheet.io/sass-mixins.html>
- [https://sass-lang.com/documentation/file.SASS\\_REFERENCE.html](https://sass-lang.com/documentation/file.SASS_REFERENCE.html)
- <https://medium.freecodecamp.org/the-complete-guide-to-scss-sass-30053c266b23>