



JONAS.IO
SCHMEDTMANN

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



@JONASSCHMEDTMAN

SECTION

INTRODUCTION TO SASS AND NPM

LECTURE

WHAT IS SASS?

WHAT IS SASS AND HOW DOES IT WORK?

SASS

Sass is a CSS preprocessor, an extension of CSS that adds power and elegance to the basic language.



SASS SOURCE CODE

Sass compiler



COMPILED CSS CODE

MAIN SASS FEATURES



- **Variables:** for reusable values such as colors, font-sizes, spacing, etc;
- **Nesting:** to nest selectors inside of one another, allowing us to write less code;
- **Operators:** for mathematical operations right inside of CSS;
- **Partials and imports:** to write CSS in different files and importing them all into one single file;
- **Mixins:** to write reusable pieces of CSS code;
- **Functions:** similar to mixins, with the difference that they produce a value that can then be used;
- **Extends:** to make different selectors inherit declarations that are common to all of them;
- **Control directives:** for writing complex code using conditionals and loops (not covered in this course).

SASS AND SCSS: CLEARING UP THE CONFUSION

Sass

```
graph TD; Sass[Sass] --> SassSyntax[Sass syntax]; Sass --> SCSSSyntax[SCSS syntax];
```

Sass syntax

```
.navigation
  list-style: none
  float: left

& li
  display: inline-block
  margin-left: 30px
```

SCSS syntax

```
.navigation {
  list-style: none;
  float: left;

  & li {
    display: inline-block;
    margin-left: 30px;
  }
}
```