Chapter 03. Sass zero-base/



03. 핵심 Sass

- 1. Sass란?
- 2. Sass 7-1 패턴
- 3. @import
- 4. Variables
- 5. @mixin
- 6. @function



Sass(Syntactically Awesome StyleSheets) is a stylesheet language that's compiled to CSS. It allows you to use <u>variables</u>, <u>nested rules</u>, <u>mixins</u>, <u>functions</u>, <u>and more</u>, all with a fully CSS-compatible syntax. Sass helps keep large stylesheets well-organized and makes it easy to share design within and across projects.

출처 : https://sass-lang.com/documentation



CSS / Sass / Scss

```
p {
 color: red;
p span {
 color: blue;
a:hover, a:focus {
 color: blue;
        CSS
```

```
p
color: red

span
color: blue

a
&:hover,
&:focus
color: blue
```

```
p {
 color: red;
 span {
  color: blue;
a {
 &:hover,
 &:focus {
  color: blue;
        Scss
```

Sass

Nesting 구조



★ CSS 코드가 한 파일로 제작된다면?

- 가독성 저하, 어디서부터 어디까지가 어떤 스타일을 담당하고 있는지 파악하기 어려움
- 중복 코드 혹은 레거시 코드를 생성하기 쉬움
- 단순 수정에도 전체 코드를 일일히 확인해야 함
- 프로젝트가 커질수록 CSS로 작업하는 속도가 느려짐

➡ Sass(Scss) 개발은 선택이 아닌 필수!

```
| |- _typography.scss # 타이포그래피 규칙
                  # 홈 한정 스타일
```

★ Sass 7-1 패턴

- base/
- components/
- layout/
- pages/
- themes/
- abstracts/
- vendors/

파일명에 _가 붙는 경우 @import 되어 사용될 것으로 파악

출처: https://sass-guidelin.es/ko/#section-37

zero-base/

📌 @import 예시

```
main.scss
@import './abstracts/variables.scss';
@import './abstracts/mixins.scss';
@import './base/reset.scss';
@import './component/buttons.scss';
@import './component/dropdown.scss';
@import './layout/header.scss';
@import './layout/footer.scss';
@import './pages/home.scss';
@import './theme/theme.scss';
@import './vendors/bootstrap.scss';
```

🖈 Variables 예제

```
• • •
$h1-size: 5em;
$h1-color: red;
$h1-align: center;
h1 {
    font-size: $h1-size;
    color: $h1-color;
    text-align: $h1-align;
```

https://codepen.io/zineeworld/pen/MWomegg

★ @mixin 예제(1)

```
• • •
@mixin ellipsis {
  text-overflow: ellipsis;
  white-space: nowrap;
  overflow: hidden;
  @include ellipsis;
```

https://codepen.io/zineeworld/pen/zYzwqaY

🖈 @mixin 예제(2)

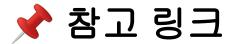
```
@mixin bg-img ($bg-url, $bg-position: center, $bg-size: contain, $bg-color: transparent) {
  background-image: url($bg-url);
  background-repeat: no-repeat;
  background-position: $bg-position;
  background-size: $bg-size;
  background-color: $bg-color;
.bg {
  margin: 0 auto;
  @include bg-img('https://sass-lang.com/assets/img/logos/logo-b6e1ef6e.svg', center, contain, white);
```

https://codepen.io/zineeworld/pen/ExXmKpa

🖈 @function 예제

```
• • •
@function half-opacity($color) {
    $color: rgba($color, .5);
    @return $color;
h1 {
    font-size: 10em;
    text-align: center;
    color: half-opacity(red);
```

https://codepen.io/zineeworld/pen/oNwWxVB



- https://sass-lang.com/documentation
- https://www.w3schools.com/sass/
- https://poiemaweb.com/sass-basics

다음 강의 : **04. 프로젝트** 준비