

Task2: Compilation

“Define CSS compilation and explain how it works in conjunction with CSS preprocessors like Sass or LESS. What are the steps involved in compiling Sass to CSS? Provide a simple example showing the original Sass code and the compiled CSS output.”

➔ CSS compilation refers to the process where code written in a preprocessor (like Sass or LESS) is converted to standard CSS that browsers can understand. This process allows developers to use the advanced features of the preprocessor, which are then translated into regular CSS.

➔ Steps to compile Sass to CSS:

- Install Sass (npm install -g sass or using any build tool).
- Write Sass code in .scss files.
- Compile the Sass file into CSS using the command: sass input.scss output.css
- The compiled CSS can then be linked to your HTML.

➔ Example: Using a CSS Preprocessor

- **Scss**

```
$font-size: 16px;  
$primary-color: #3498db;
```

```
body {  
  font-size: $font-size;  
  background-color: $primary-color;  
}
```

- **CSS**

```
body {  
  font-size: 16px;  
  background-color: #3498db;  
}
```