

# Preprocessors

**DEADLINE:** 16/04/2020

## FOLDER STRUCTURE

<pre>FL13_HW3/* ├─ task/** ├─ homework/* │   └─ css/* │       ├── style1.css* │       └── style2.css* ├─ img/* │   └─ images...* ├─ scss/* │   ├── _main.scss* │   ├── _variables1.scss* │   ├── _variables2.scss* │   ├── style1.scss* │   └── style2.scss* ├─ index.html* └─ koala-config.json*</pre>	<p>* - required</p> <p>** - restricted (no need to submit)</p>
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## TASK

In this archive you can find an index.html file with provided page images, some prepared .scss files, and a design/ folder with expected results.

Your task is to generate two different css files according to design.

- All required **rules** and **mixins** should be written in **\_main.scss** and **variables** should be defined in **\_variables1.scss** and **\_variables2.scss** files
- Do not change files **scss/style1.scss** and **scss/style2.scss**. They already import all necessary partials
- **scss** file should use a nesting syntax
- you should use mixin for card image
- use at least one **@extend** rule
- use at least one **map**

- **index.html** by default should use **style1.css** for styling
- All markup you should write by yourself (responsive design isn't required)
- No requirements for browser support (should correctly work in last version of Google Chrome)

Please use [koala-app](#) for compiling. Find a koala-config.json config file where compilation path is already set. All what you need - choose your project in koala-app and compile your scss to CSS.

## EXPECTED RESULTS

The **style1.css** and **style2.css** are generated from source files.

Page design should match design\_1.pdf. When page is switched to use styles2.css by changing link to `<link rel="stylesheet" href="css/style2.css">` it should match design\_2.pdf.

You can switch styles manually in header section of index.html.

## EXAMPLE

\_main.scss:

```
body {
  background: $contentBackground;
}

main {
  margin: 0 auto;
  width: 960px;
}
```

...

\_variables1.scss:

```
$contentBackground: #fff;
```

...

\_variables2.scss:

```
$contentBackground: #660;
```

## FONTS AND COLORS

Fonts are already included in html head section, use them as:

```
font-family: 'Source Sans Pro', sans-serif;
```

```
font-family: 'Hind', sans-serif;
```

```
font-family: 'Fresca', sans-serif;
```

Feel free to use any tool which will help you to pick the right color. Colors should be as close to design as possible.

## RESTRICTIONS

- Do not use any CSS framework for this homework.
- Do not use any others scss compilers except koala.

## BEFORE SUBMIT

- Make sure you've done all steps, described above and homework result match the designs;
- \*.scss files compiles without any errors;
- Make sure your code is well-formatted, and validated via validator:  
HTML: <https://validator.w3.org/>  
CSS: css validation isn't required.

## SUBMIT

- The **FL19\_HW3** folder without **task** folder should be uploaded to github repository "FL-19" into **main** branch.

## USEFUL LINKS

- <http://koala-app.com/>
- <https://sass-lang.com/guide>