**Preprocessors**

**DEADLINE:** 06/05/2021

**FOLDER STRUCTURE**

|  |  |
| --- | --- |
| FL16\_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\* | \* - required  \*\* - restricted (no need to submit) |

**TASK**

In this archive you can find an index.html file with provided page markup, 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 css rules and scss **mixins** should be written in **\_main.scss** andvariables 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 styling links and buttons
* use at least one **@extend** rule
* use at least one **map**
* **index.html** by default should use **style1.css** for styling
* All distances between blocks should be set by yourself (tips: you can use Pixel perfect browser addon, but it isn’t required)
* No requirements for browser support (should correctly work in last version of Google Chrome)

Please use [koala-app](http://koala-app.com/) for compiling. Find a koala-config.json config file where compilation path is already set.

**EXPECTED RESULTS**

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

Page design should match v1.png. When page is switched to use styles2.css by changing link to <link rel=“stylesheet" href="css/style2.css"> it should match v2.png.

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 hlml 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 **FL16\_HW3** folder without **task** folder should be uploaded to GitLab repository “**FL-16**” into **master** branch.

**USEFUL LINKS**

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