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Automação de tarefas com o Gulp



GUIA DA AULA 5



Use Gulp para compilar SASS



Acompanhe aqui
os temas que
serão tratados
na videoaula

- **Plugins**
- **Compilação
do SASS**
- **Compressão
do arquivo**
- **Erros de
compilação**
- **Mapas de
origem**



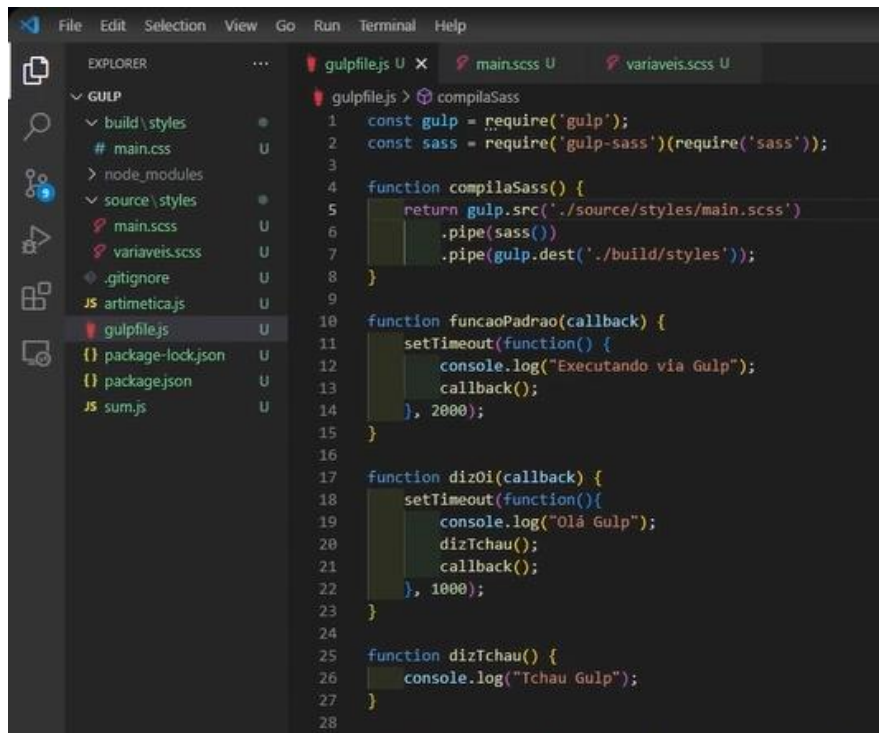
Plugins

O Gulp possui vários *plugins* que nos ajudam nas tarefas do dia a dia, como compilação de pré-processadores CSS, minificação de Imagens, outros arquivos etc.

Cada *plugin* é um novo pacote Node que instalamos, é importante que essa instalação seja feita utilizando o sufixo **--save-dev** para que a dependência seja utilizada apenas em ambiente de desenvolvimento.



Compilação do SASS



```

File Edit Selection View Go Run Terminal Help
EXPLORER
└─ GULP
  └─ build\styles
    └─ # main.css
  └─ node_modules
  └─ source\styles
    └─ main.scss
    └─ variaveis.scss
    └─ .gitignore
    └─ JS artimetica.js
    └─ gulpfile.js
    └─ {} package-lock.json
    └─ {} package.json
    └─ JS sum.js

gulpfile.js
1 const gulp = require('gulp');
2 const sass = require('gulp-sass')(require('sass'));
3
4 function compilaSass() {
5   return gulp.src('./source/styles/main.scss')
6     .pipe(sass())
7     .pipe(gulp.dest('./build/styles'));
8 }
9
10 function funcaoPadrao(callback) {
11   setTimeout(function() {
12     console.log("Executando via Gulp");
13     callback();
14   }, 2000);
15 }
16
17 function dizOi(callback) {
18   setTimeout(function(){
19     console.log("Olá Gulp");
20     dizTchau();
21     callback();
22   }, 1000);
23 }
24
25 function dizTchau() {
26   console.log("Tchau Gulp");
27 }
28

```



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

> gulp@1.0.0 gulp
> gulp "sass"

[20:44:52] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:44:52] Starting 'sass'...
[20:44:52] Finished 'sass' after 107 ms
PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

> gulp@1.0.0 gulp
> gulp "sass"

[20:46:17] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:46:17] Starting 'sass'...
[20:46:18] Finished 'sass' after 89 ms
PS C:\EBAC - Codes\gulp>
  
```



Compressão do arquivo



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

[20:44:52] Finished 'sass' after 107 ms
PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

> gulp@1.0.0 gulp
> gulp "sass"

[20:46:17] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:46:17] Starting 'sass'...
[20:46:18] Finished 'sass' after 89 ms
PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

> gulp@1.0.0 gulp
> gulp "sass"

[20:48:33] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:48:33] Starting 'sass'...
[20:48:33] Finished 'sass' after 87 ms
PS C:\EBAC - Codes\gulp>
  
```



Erros de compilação

Explorer: gulpfile.js U, # main.css U, > node_modules, > source/styles, main.scss U, variaveis.scss U, .gitignore U, JS artimiteca.js U, gulpfile.js U, () package-lock.json U, () package.json U, JS sum.js U

```

source > styles > main.scss > body
1  body {
2    background-color: variaveis.$corPrincipal;
3  }
  
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL**

```

file: C:\EBAC - Codes\gulp\source\styles\main.scss
status: 1
messageFormatted: source\styles\main.scss
Error: There is no module with the namespace "variaveis".

2    background-color: variaveis.$corPrincipal;
  
```

```

source\styles\main.scss 2:23 root stylesheet
messageOriginal: There is no module with the namespace "variaveis".

2    background-color: variaveis.$corPrincipal;
  
```

```

source\styles\main.scss 2:23 root stylesheet
relativePath: source\styles\main.scss
domainEmitter: [object Object]
domainThrown: false

PS C:\EBAC - Codes\gulp>
  
```



Mapas de origem

The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar displays a project structure with files like `gulpfile.js`, `index.html`, `main.css`, `main.scss`, and `variables.scss`. The main editor area shows the content of `main.scss`, which includes a source map comment and SCSS code using a variable: `@use 'variaveis';` and `background-color: variaveis.$corPrincipal;`. Below the editor, the TERMINAL panel shows the output of the command `npm install --save-dev gulp-sourcemaps`. The output includes deprecation warnings, package installation statistics (25 packages, 481 audits), and vulnerability information (6 high severity vulnerabilities).

```

source > styles > main.scss > body
1  @use 'variaveis';
2
3  body {
4    background-color: variaveis.$corPrincipal;
5  }

```

```

PS C:\EBAC - Codes\gulp> npm install --save-dev gulp-sourcemaps
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.
npm WARN deprecated source-map-resolve@0.6.0: See https://github.com/lydell/source-map-resolve#deprecated

added 25 packages, and audited 481 packages in 4s

13 packages are looking for funding
  run `npm fund` for details

6 high severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
PS C:\EBAC - Codes\gulp>

```

