

Profissão: Engenheiro Front-End



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



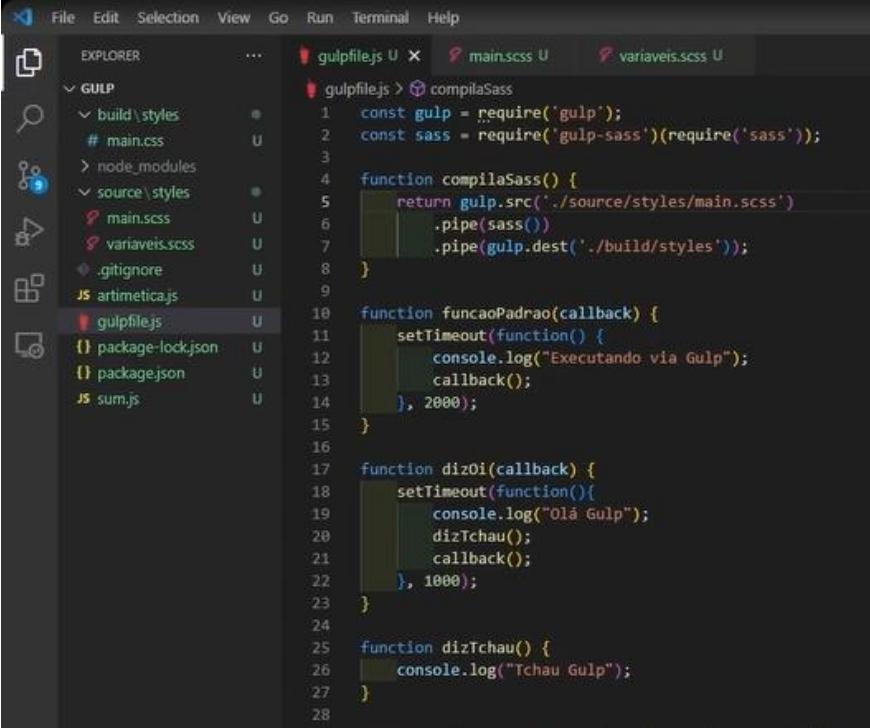
Plugins

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



The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure with a **GULP** folder containing `build\styles` (with `main.css`), `node_modules`, `source\styles` (with `main.scss` and `variaveis.scss`), `.gitignore`, and `artimeticajs`. The `gulpfile.js` file is currently selected.
- Terminal:** Shows the content of the `gulpfile.js` file, which contains Gulp tasks for compiling SASS files into CSS and printing messages to the console.

```
gulpfile.js
const gulp = require('gulp');
const sass = require('gulp-sass')(require('sass'));

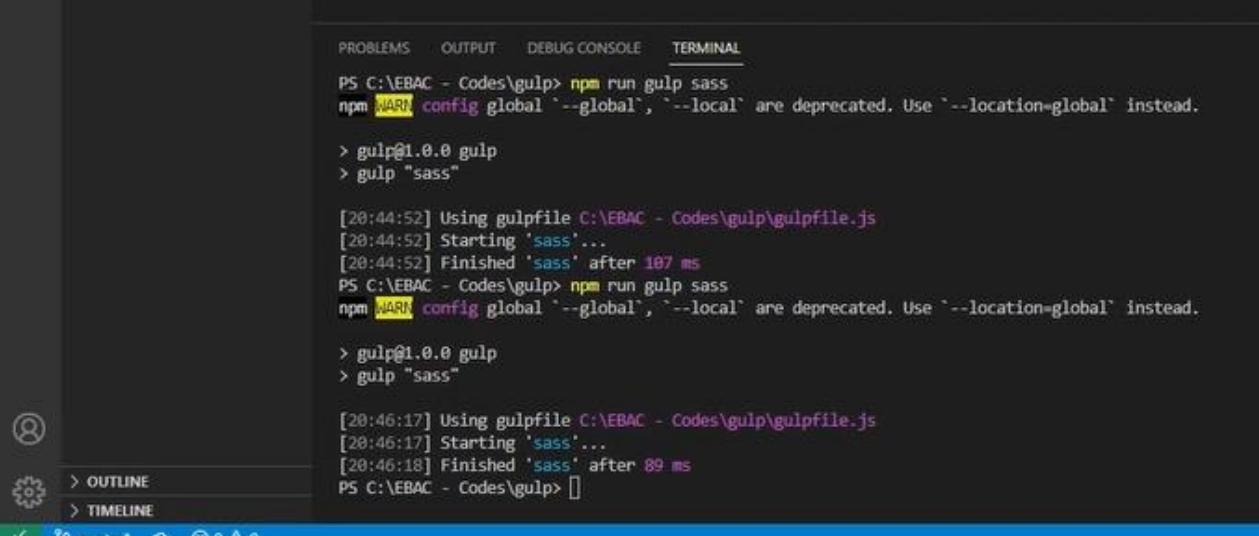
function compilaSass() {
  return gulp.src('./source/styles/main.scss')
    .pipe(sass())
    .pipe(gulp.dest('./build/styles'));
}

function funcaoPadrao(callback) {
  setTimeout(function() {
    console.log("Executando via Gulp");
    callback();
  }, 2000);
}

function dizOi(callback) {
  setTimeout(function(){
    console.log("Olá Gulp");
    dizTchau();
    callback();
  }, 1000);
}

function dizTchau() {
  console.log("Tchau Gulp");
}
```





```
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"

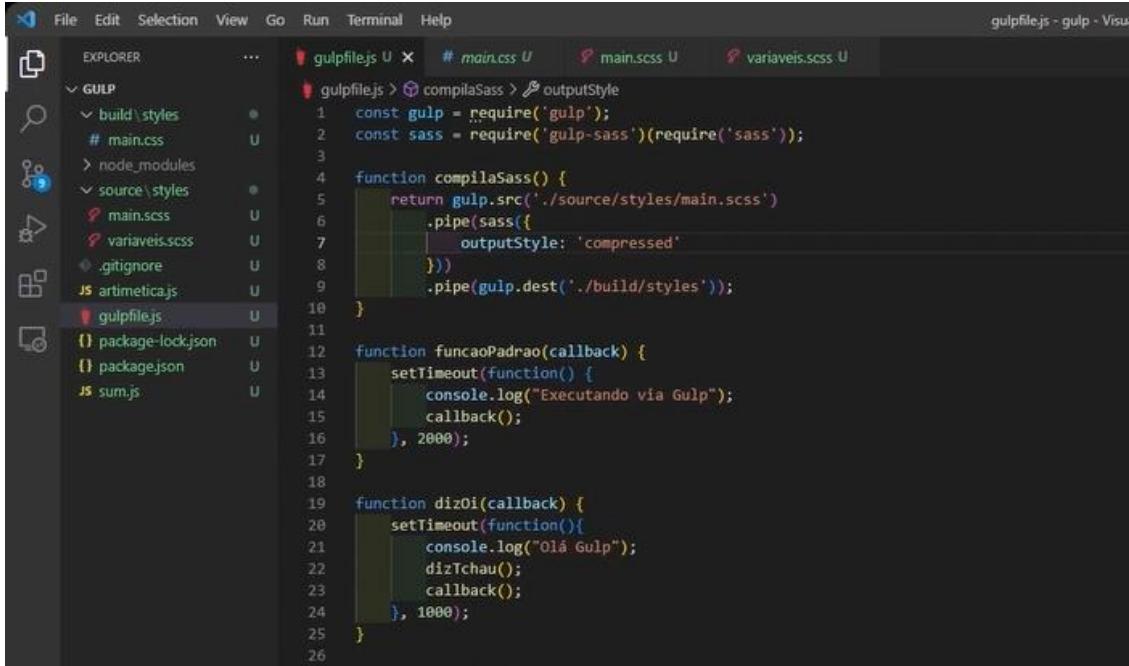
[20:44:52] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:44:52] Starting 'sass'...
[20:44:52] Finished 'sass' after 107 ms
PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global `--global`, `--local` are deprecated. Use `--location=global` instead.

> 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> 
```

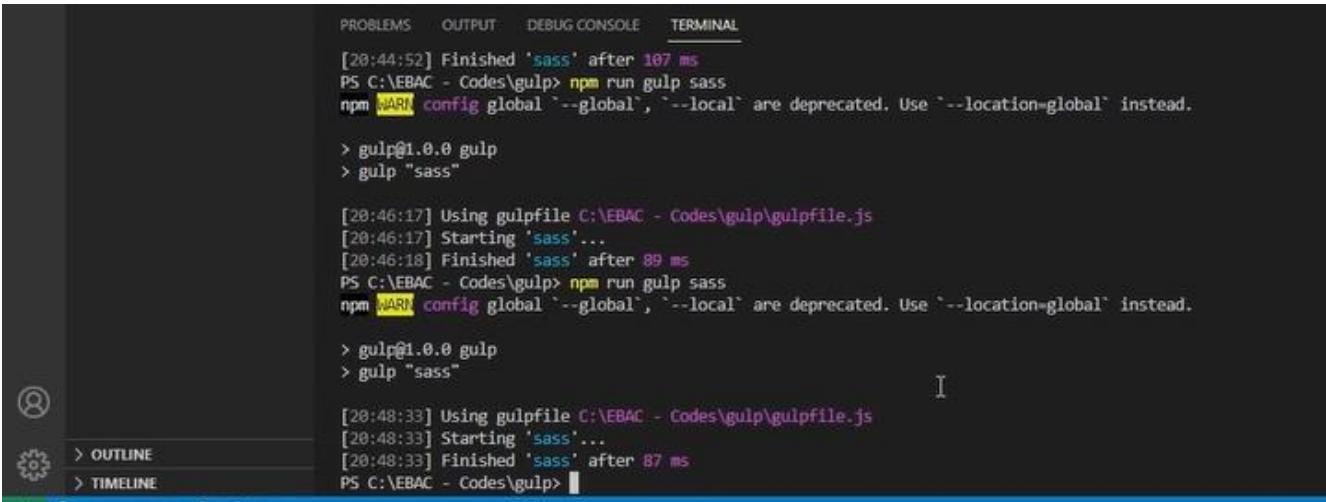


Compressão do arquivo



```
File Edit Selection View Go Run Terminal Help
EXPLORER ... gulpfile.js # main.css # main.scss variaveis.scss
gulpfile.js > compilaSass > outputStyle
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       outputStyle: 'compressed'
8     }))
9     .pipe(gulp.dest('./build/styles'));
10 }
11
12 function funcaoPadrao(callback) {
13   setTimeout(function() {
14     console.log("Executando via Gulp");
15     callback();
16   }, 2000);
17 }
18
19 function dizOl(callback) {
20   setTimeout(function(){
21     console.log("Olá Gulp");
22     dizTchau();
23     callback();
24   }, 1000);
25 }
26
```





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"

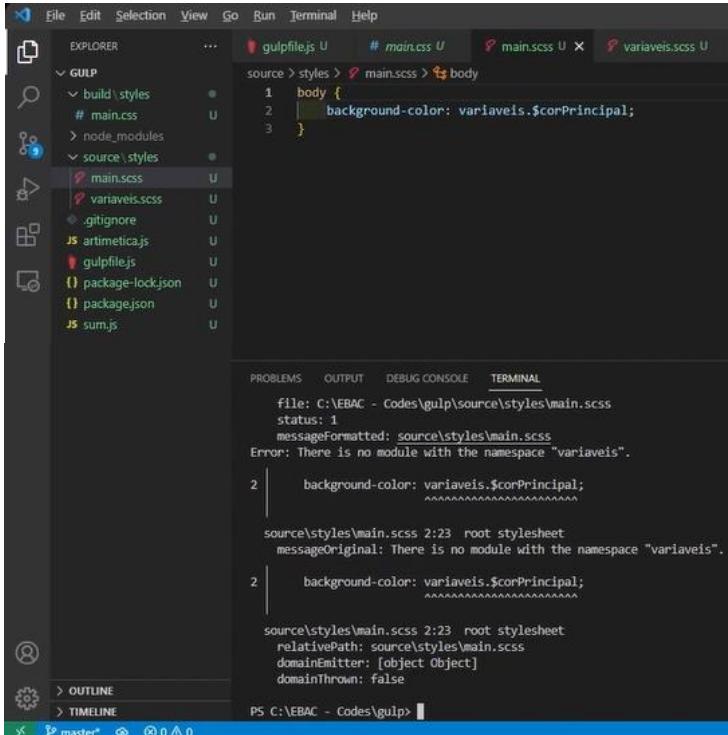
[20:46:17] Using gulpfile C:\EBAC - Codes\gulp\gulpfile.js
[20:46:17] Starting 'sass'...
[20:46:18] Finished 'sass' after 89 ms
PS C:\EBAC - Codes\gulp> npm run gulp sass
npm WARN config global `--global`, `--local` are deprecated. Use `--location=global` instead.

> 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>
```



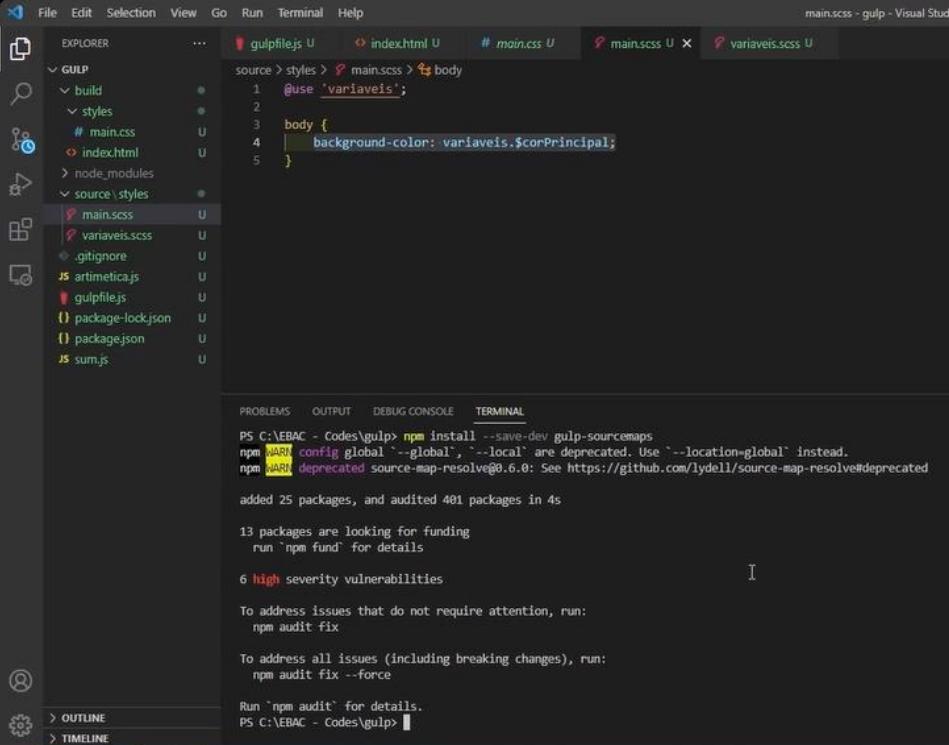
Erros de compilação



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



Mapas de origem



The screenshot shows a Visual Studio Code interface with a dark theme. The Explorer sidebar on the left lists files and folders, including a 'GULP' folder containing 'build', 'node_modules', and 'source_styles' subfolders, and files like 'main.css', 'index.html', 'aritmetica.js', 'gulpfile.js', 'package-lock.json', 'package.json', and 'sum.js'. The 'source_styles' folder is expanded, showing 'main.scss' and 'variaveis.scss'. The main editor area displays 'main.scss' with the following content:

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

The 'TERMINAL' tab at the bottom shows the output of an npm command:

```
PS C:\EBAC - Codes\gulp> npm install --save-dev gulp-sourcemaps
npm WARN config global `--global` and `--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 401 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>
```

