

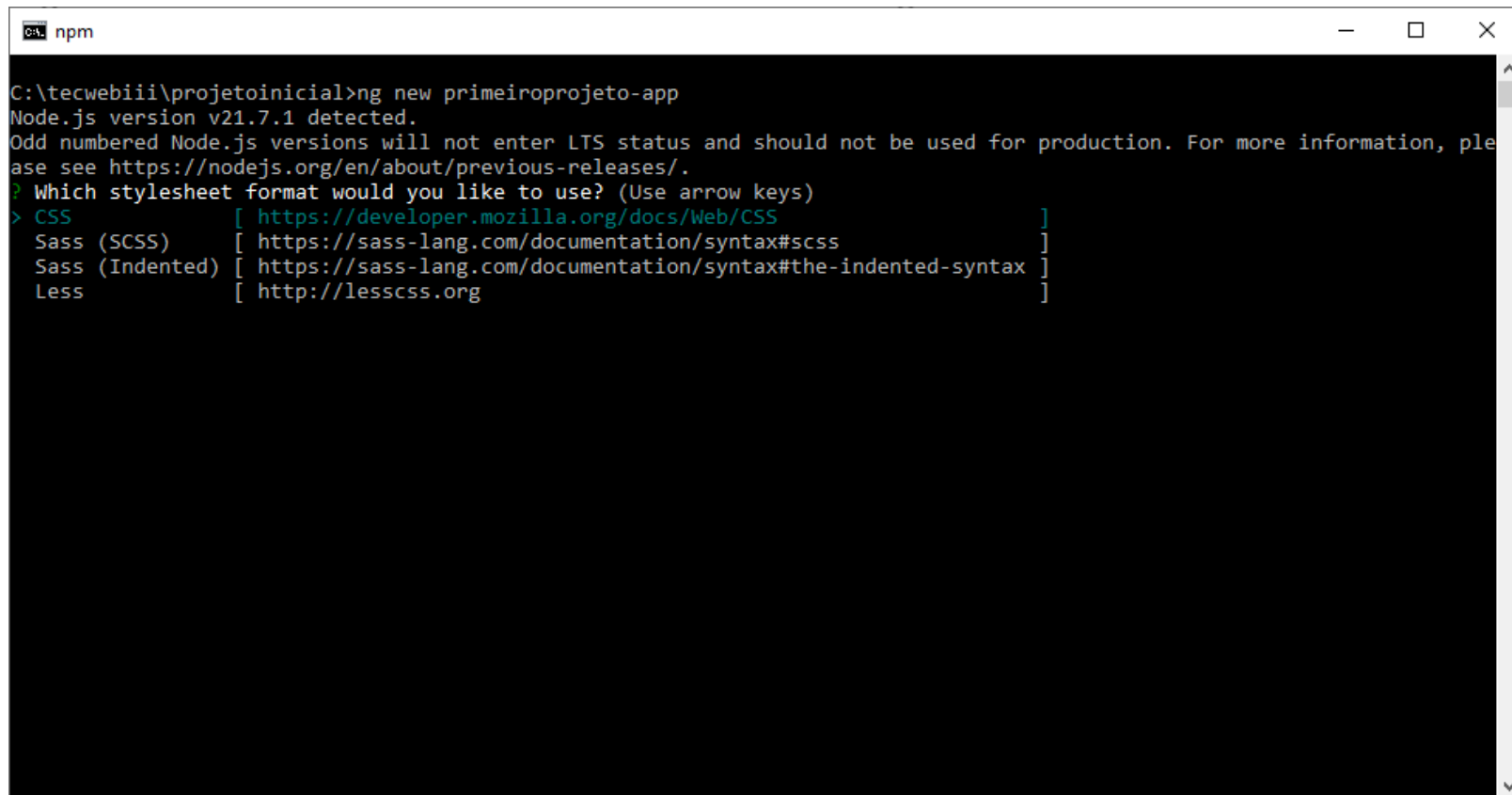
Criando um projeto em Angular 17

Instalação do angular 17

- `npm install -g @angular/cli`

Criando um projeto angular

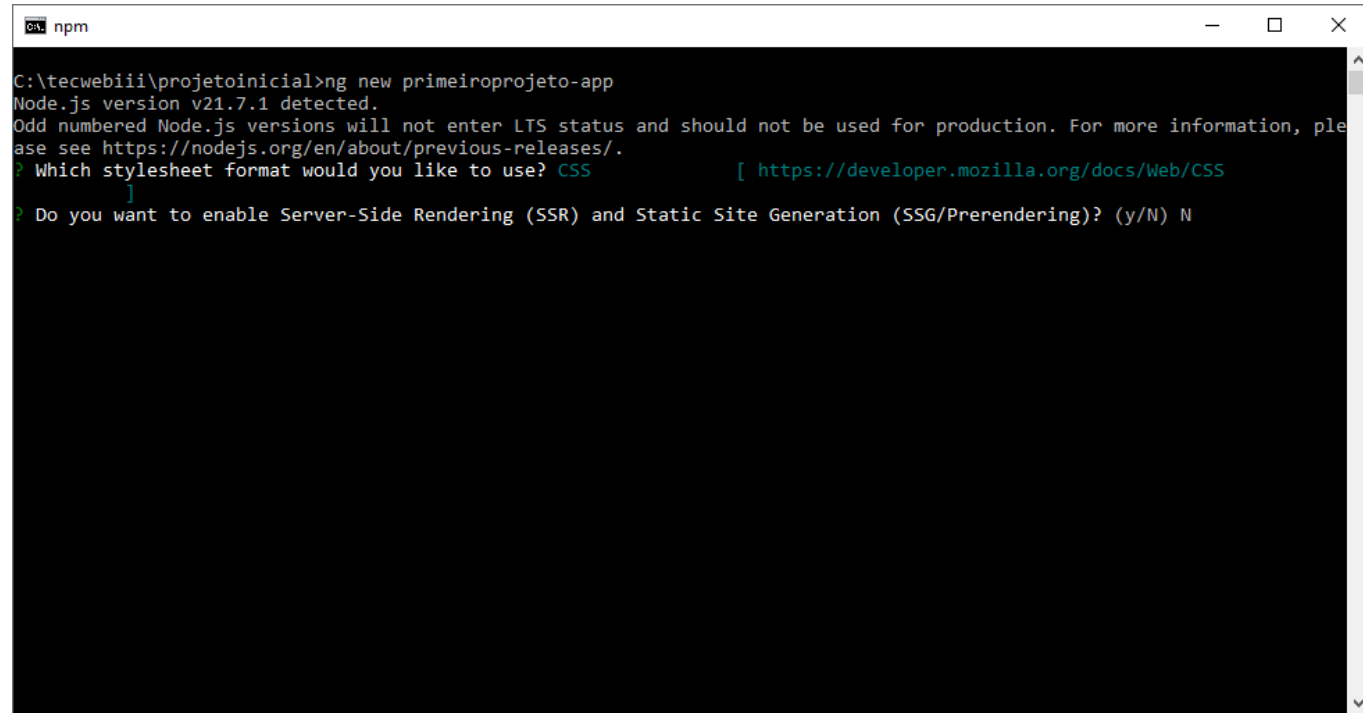
- `ng new primeiroprojeto-app`



```
npm
C:\tecwebiii\projeto inicial>ng new primeiroprojeto-app
Node.js version v21.7.1 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/previous-releases/.
? Which stylesheet format would you like to use? (Use arrow keys)
> CSS [ https://developer.mozilla.org/docs/Web/CSS ]
  Sass (SCSS) [ https://sass-lang.com/documentation/syntax#scss ]
  Sass (Indented) [ https://sass-lang.com/documentation/syntax#the-indented-syntax ]
  Less [ http://lesscss.org ]
```

Server-Side Rendering (SSR) e Static Site Generation (SSG)

- A renderização do lado do servidor (SSR) é um processo que envolve a renderização de páginas no servidor, resultando em conteúdo HTML inicial que contém o estado inicial da página. Depois que o conteúdo HTML é entregue a um navegador, o Angular inicializa o aplicativo e utiliza os dados contidos no HTML.

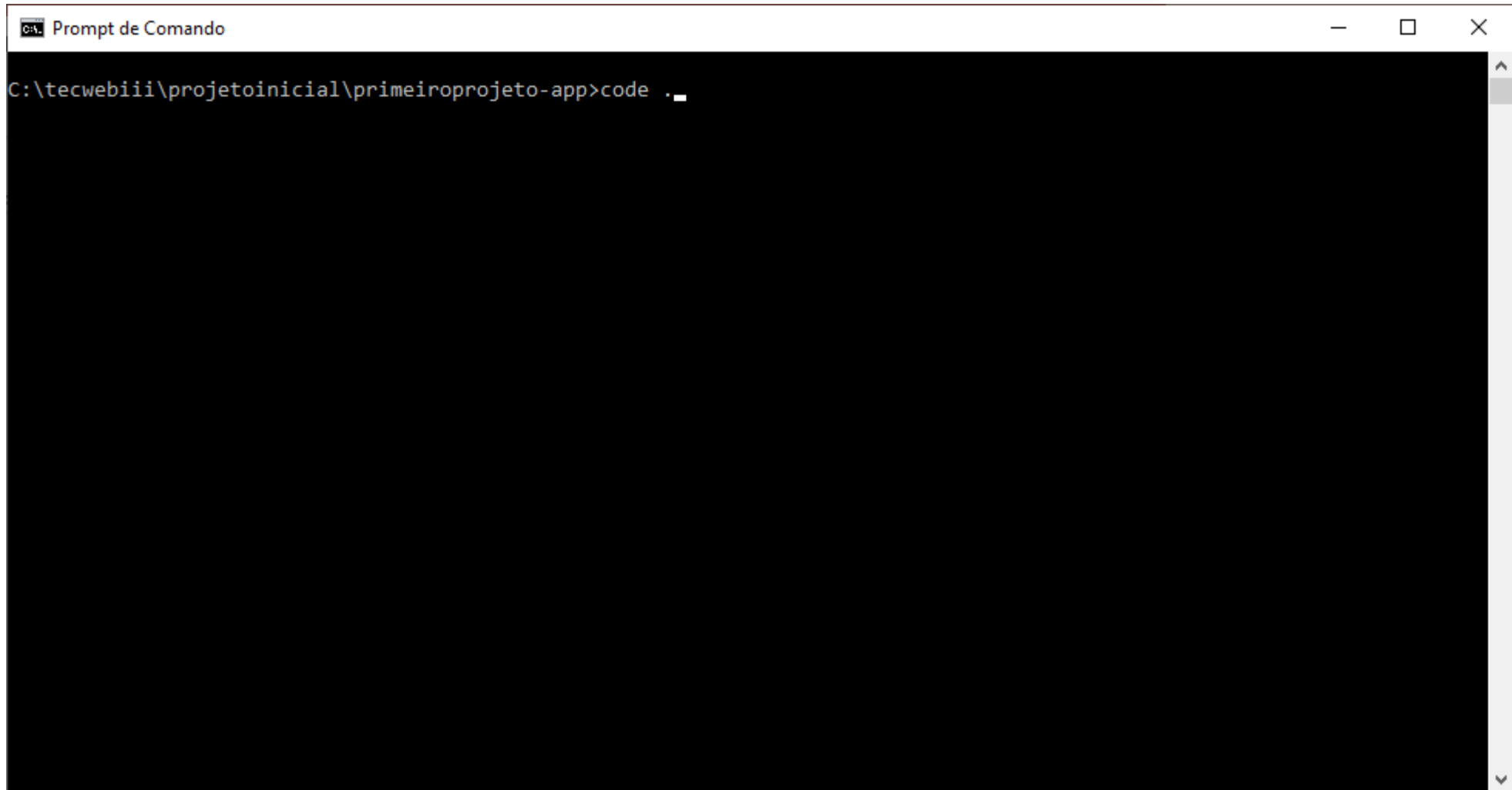


```
C:\tecwebiii\projeto inicial>ng new primeiroprojeto-app
Node.js version v21.7.1 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/previous-releases/.
? Which stylesheet format would you like to use? CSS [ https://developer.mozilla.org/docs/Web/CSS ]
? Do you want to enable Server-Side Rendering (SSR) and Static Site Generation (SSG/Prerendering)? (y/N) N
```

Processo de criação de um projeto Angular

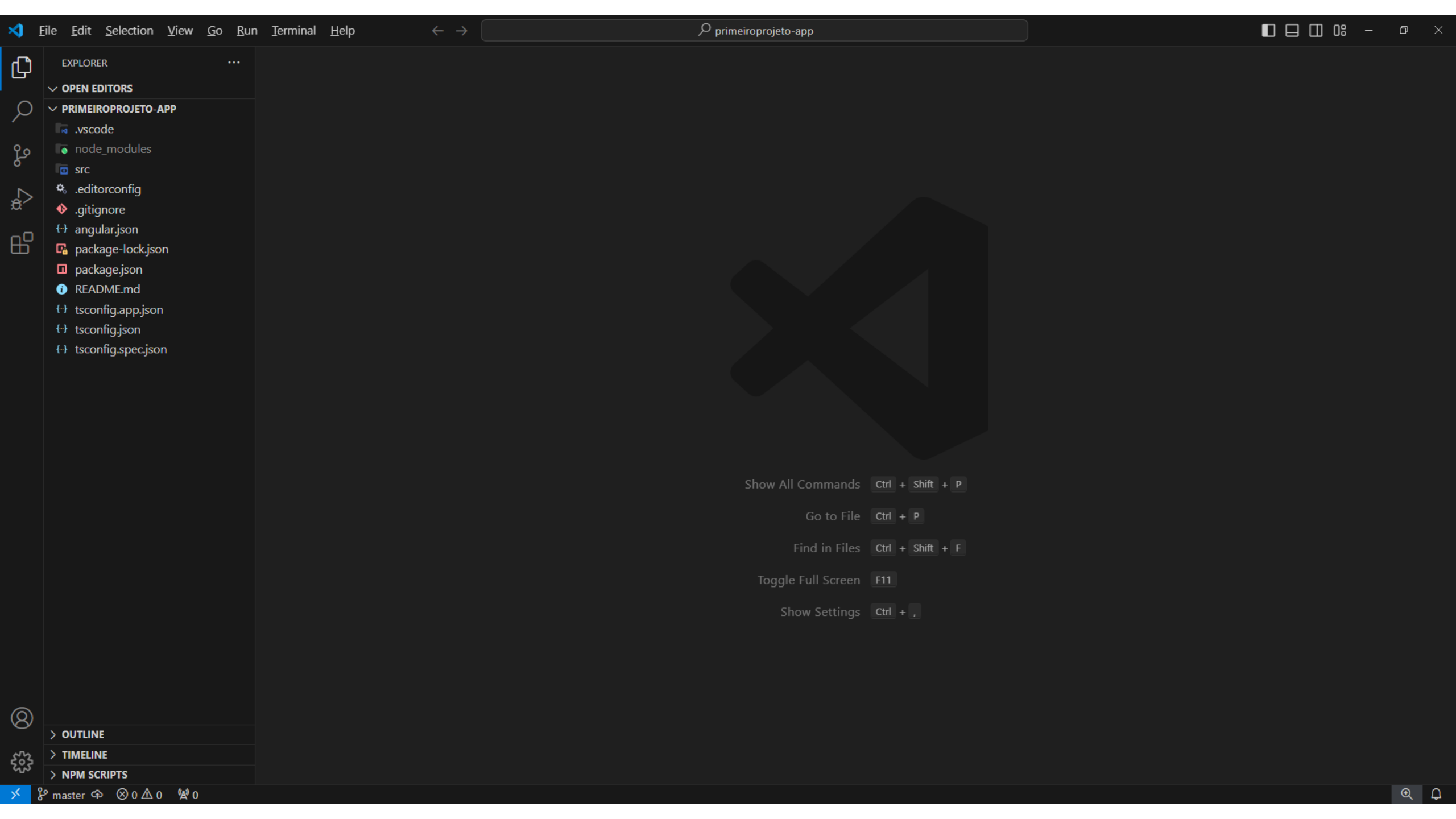
```
npm install
Node.js version v21.7.1 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/previous-releases/.
? Which stylesheet format would you like to use? CSS [ https://developer.mozilla.org/docs/Web/CSS ]
? Do you want to enable Server-Side Rendering (SSR) and Static Site Generation (SSG/Prerendering)? No
CREATE primeiroprojeto-app/angular.json (2752 bytes)
CREATE primeiroprojeto-app/package.json (1088 bytes)
CREATE primeiroprojeto-app/README.md (1099 bytes)
CREATE primeiroprojeto-app/tsconfig.json (889 bytes)
CREATE primeiroprojeto-app/.editorconfig (290 bytes)
CREATE primeiroprojeto-app/.gitignore (590 bytes)
CREATE primeiroprojeto-app/tsconfig.app.json (277 bytes)
CREATE primeiroprojeto-app/tsconfig.spec.json (287 bytes)
CREATE primeiroprojeto-app/.vscode/extensions.json (134 bytes)
CREATE primeiroprojeto-app/.vscode/launch.json (490 bytes)
CREATE primeiroprojeto-app/.vscode/tasks.json (980 bytes)
CREATE primeiroprojeto-app/src/main.ts (256 bytes)
CREATE primeiroprojeto-app/src/favicon.ico (15086 bytes)
CREATE primeiroprojeto-app/src/index.html (317 bytes)
CREATE primeiroprojeto-app/src/styles.css (81 bytes)
CREATE primeiroprojeto-app/src/app/app.component.html (20239 bytes)
CREATE primeiroprojeto-app/src/app/app.component.spec.ts (984 bytes)
CREATE primeiroprojeto-app/src/app/app.component.ts (328 bytes)
CREATE primeiroprojeto-app/src/app/app.component.css (0 bytes)
CREATE primeiroprojeto-app/src/app/app.config.ts (235 bytes)
CREATE primeiroprojeto-app/src/app/app.routes.ts (80 bytes)
CREATE primeiroprojeto-app/src/assets/.gitkeep (0 bytes)
```

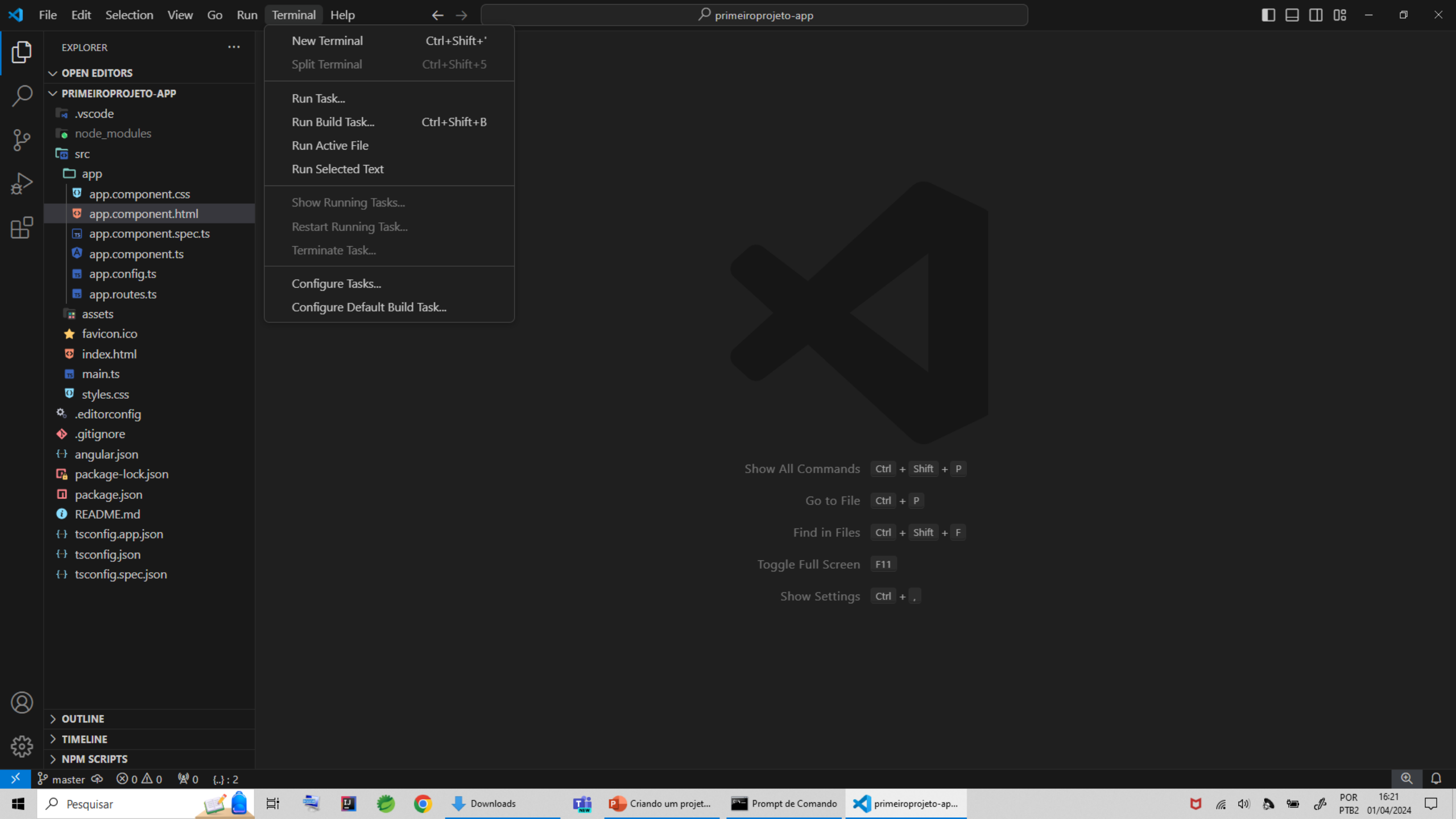
Entrar na pasta do projeto

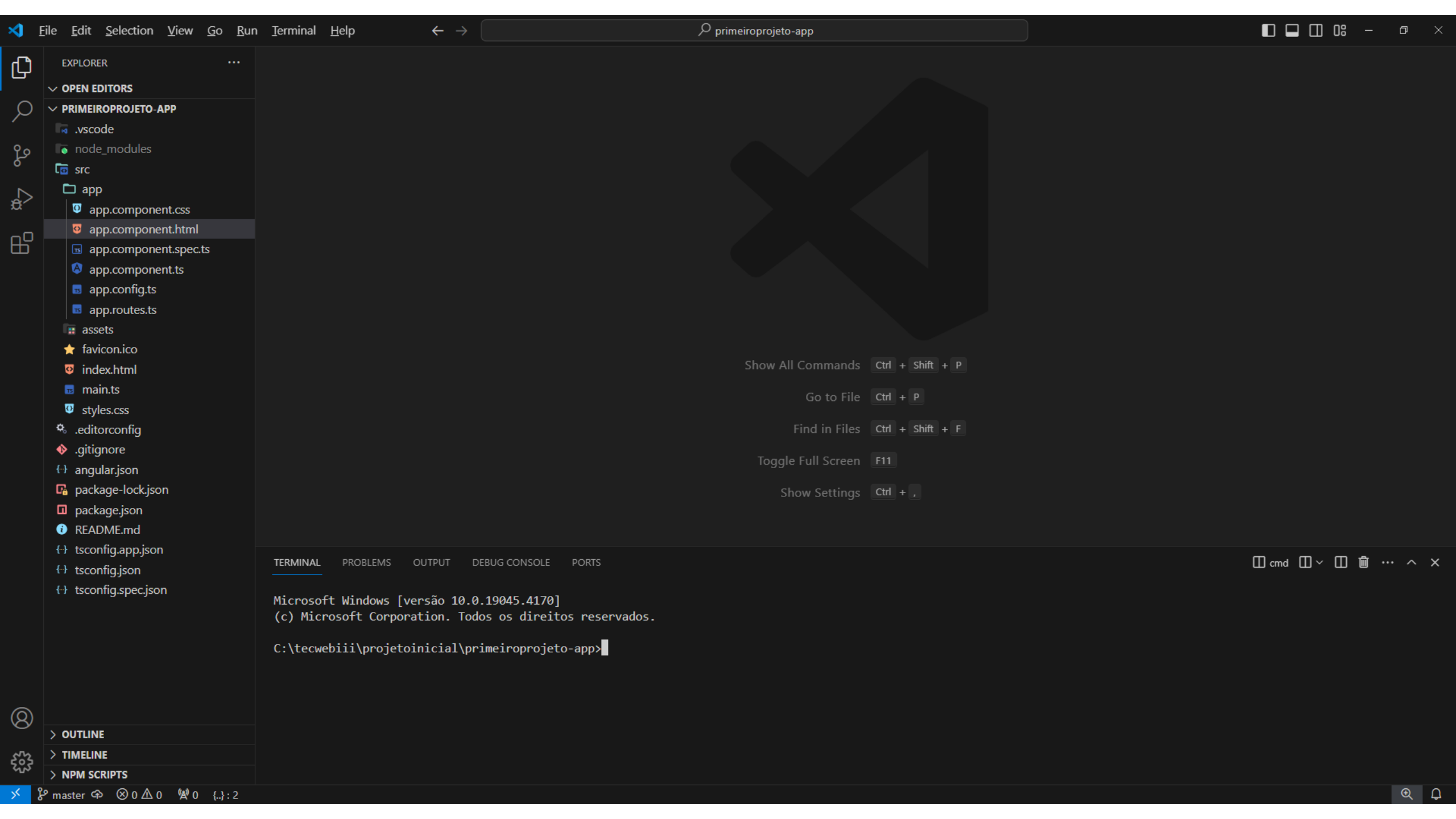


```
CA Prompt de Comando
C:\tecwebiii\projeto inicial\primeiroprojeto-app>code .
```

The image shows a Windows Command Prompt window titled "CA Prompt de Comando". The window has a standard Windows title bar with minimize, maximize, and close buttons. The command prompt shows the current directory as "C:\tecwebiii\projeto inicial\primeiroprojeto-app" and the command "code ." is being entered. The command prompt has a black background and white text. There is a vertical scrollbar on the right side of the window.







Inicializar o servidor

- `npm start`
- `ng serve`
- `ng s --o` (open abre o projeto diretamente no navegador)

Criar um componente

ng generate component /componente/empresas

- Ou

ng g c /componente/empresas

Instalando bibliotecas base

- `npm install font-awesome --save`

angular.json

```
"$schema": "./node_modules/@angular/cli/lib/config/schema.json",
"version": 1,
"newProjectRoot": "projects",
"projects": {
  "appFont": {
    ....
    "assets": [
      "src/favicon.ico",
      "src/assets"
    ],
    "styles": [
      "node_modules/font-awesome/css/font-awesome.css",
      "src/styles.css"
    ],
    .....
  }
}
```

src/app/app.component.html

```
<h1>Angular 17 Instalação Font Awesome Icons Exemplos</h1>
```

```
<i class="fa fa-user fa-5x"></i>
```

```
<i class="fa fa-dashboard fa-5x"></i>
```

```
<i class="fa fa-money fa-5x"></i>
```

```
<i class="fa fa-home fa-5x"></i>
```

```
<i class="fa fa-th fa-5x"></i>
```

<https://tailwindcss.com/docs/guides/angular>

Instalando biblioteca de estilos

2 Install Tailwind CSS

Install `tailwindcss` via npm, and then run the init command to generate a `tailwind.config.js` file.

Terminal

```
> npm install -D tailwindcss postcss autoprefixer  
> npx tailwindcss init
```

3 Configure your template paths

Add the paths to all of your template files in your `tailwind.config.js` file.

tailwind.config.js

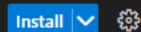
```
/** @type {import('tailwindcss').Config} */  
module.exports = {  
  content: [  
    "./src/**/*.html",  
  ],  
  theme: {  
    extend: {},  
  },  
  plugins: [],  
}
```

4 Add the Tailwind directives to your CSS

Add the `@tailwind` directives for each of Tailwind's layers to your `./src/styles.css` file.

styles.css

```
@tailwind base;  
@tailwind components;  
@tailwind utilities;
```



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Instalando Angular Material

<https://material.angular.io/>

- `ng add @angular/material`

