

## React 2. Comandos y Webs de Interés [Tutorial Avanzado]

0. Instalar la última versión de NODE.JS

<https://nodejs.org/es>

```
C:\Users\kgv17\Desktop>node -v  
v22.13.0
```

1. Creamos un proyecto en React + VITE

npm create vite@latest (Damos nombre al proyecto y elegimos React + TypeScript)

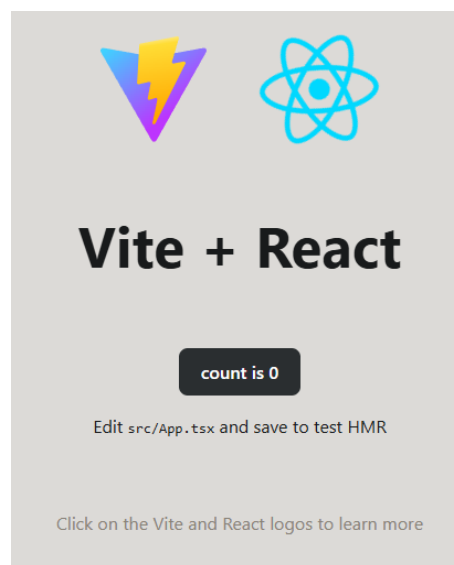
```
C:\Users\kgv17\Desktop>npm create vite@latest  
  
> npx  
> create-vite  
  
✓ Project name: ... vite-project  
✓ Target directory "vite-project" is not empty. Please choose how to proceed: » Ignore files and continue  
✓ Select a framework: » React  
✓ Select a variant: » TypeScript  
  
Scaffolding project in C:\Users\kgv17\Desktop\vite-project...  
  
Done. Now run:  
  
  cd vite-project  
  npm install  
  npm run dev  
  
C:\Users\kgv17\Desktop>
```

2. Ejecutamos el proyecto

cd miproyecto

npm install

npm run dev



### 3. Añadir Componentes MUI a nuestro proyecto

```
cd miproyecto
npm install @mui/material @emotion/react @emotion/styled
npm install @fontsource/roboto
npm install @mui/icons-material
```

```
C:\Users\kgv17\Desktop\vite-project>npm install @mui/material @emotion/react @emotion/styled
changed 97 packages, and audited 236 packages in 14s

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

found 0 vulnerabilities

C:\Users\kgv17\Desktop\vite-project>npm install @fontsource/roboto
added 1 package, and audited 237 packages in 3s

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

found 0 vulnerabilities

C:\Users\kgv17\Desktop\vite-project>npm install @mui/icons-material
added 1 package, and audited 238 packages in 1m

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

found 0 vulnerabilities

C:\Users\kgv17\Desktop\vite-project>
```

### 4. Instalar Extras de React

```
npm i react-router-dom
npm install react-hooks
```

```
C:\Users\kgv17\Desktop\vite-project>npm i react-router-dom
added 6 packages, and audited 244 packages in 3s

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

found 0 vulnerabilities

C:\Users\kgv17\Desktop\vite-project>npm install react-hooks
added 1 package, and audited 245 packages in 2s

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

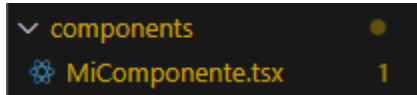
found 0 vulnerabilities

C:\Users\kgv17\Desktop\vite-project>
```

## 5. Crear un componente nuevo

### A) Creación de Componente

new Folder > /components/  
cd /components



```
// components/MiComponente.tsx

function MiComponente() {
  return (
    <h1> Código HTML dentro del RETURN </h1>
  );
}

export default MiComponente;
```

Para usar el nuevo componente desde otro componente, por ejemplo en App.jsx  
hago solo dos cosas:

```
import './App.css';
import MiComponente from './components/MiComponente';

function App() {
  return (
    <>
      <div>
        <MiComponente />
      </div>
    </>
  );
}

export default App;
```

# Código HTML dentro del RETURN

Alternativamente se puede utilizar la Extensión de Visual Code "ES7+ React/Redux" para crear componentes, y tras crear un fichero JSX nuevo escribimos las letras rfce (React Functional Component Extension).

