

# Requerimientos

React (biblioteca de JavaScript)

<https://es.reactjs.org/>

Nodejs

<https://nodejs.org/es/download/>

Git

<https://git-scm.com/downloads>

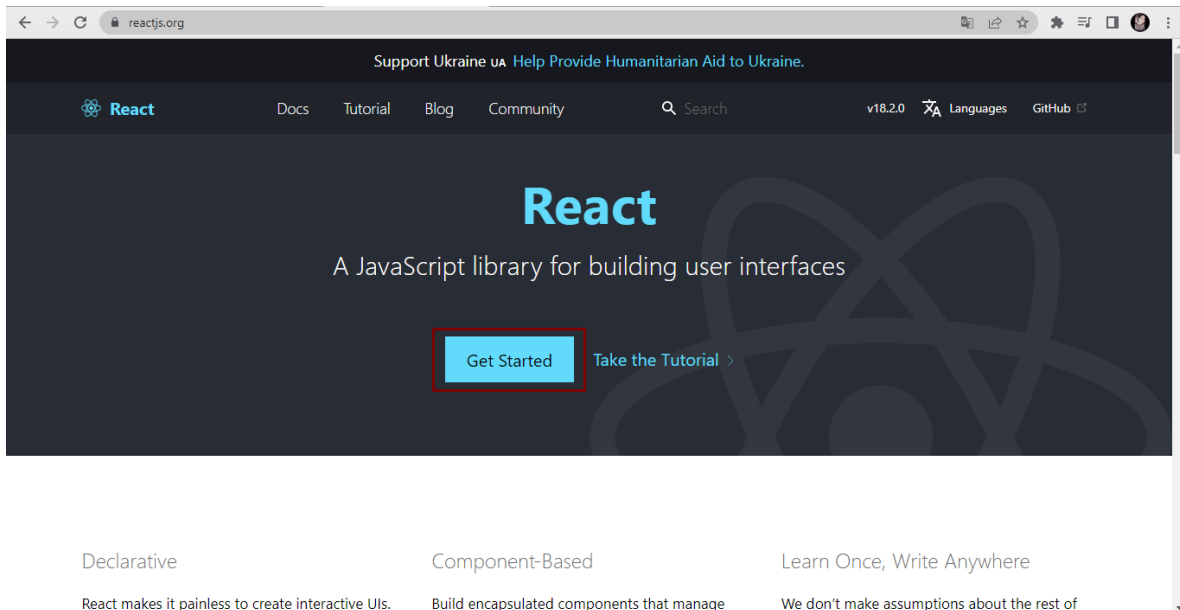
Visual studio code

<https://code.visualstudio.com/download>

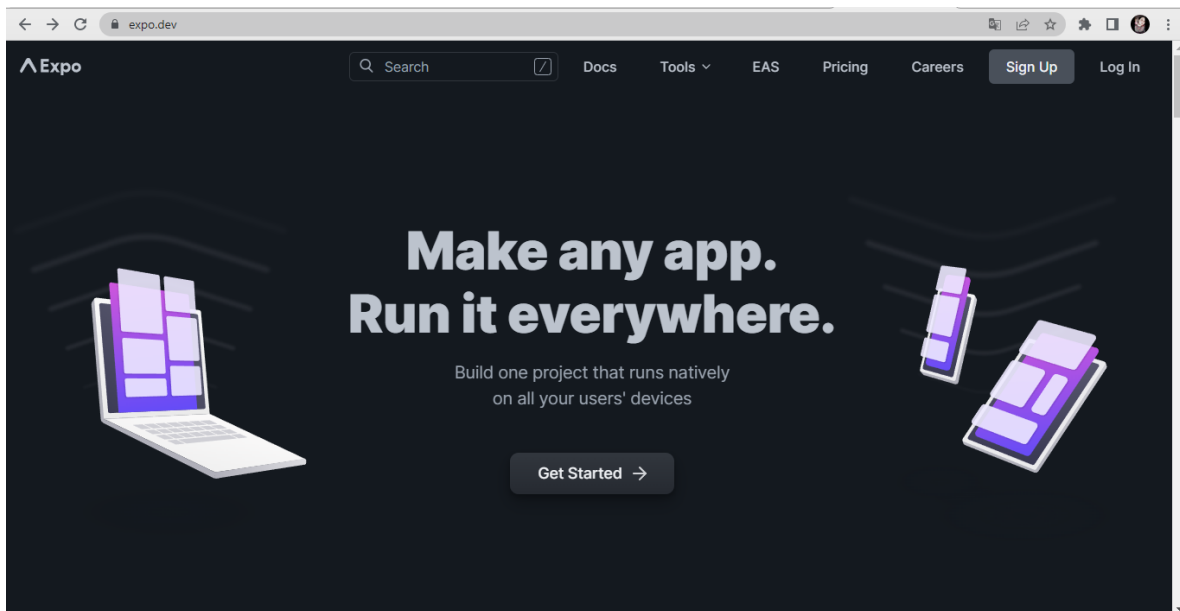
Expo

<https://expo.dev/>

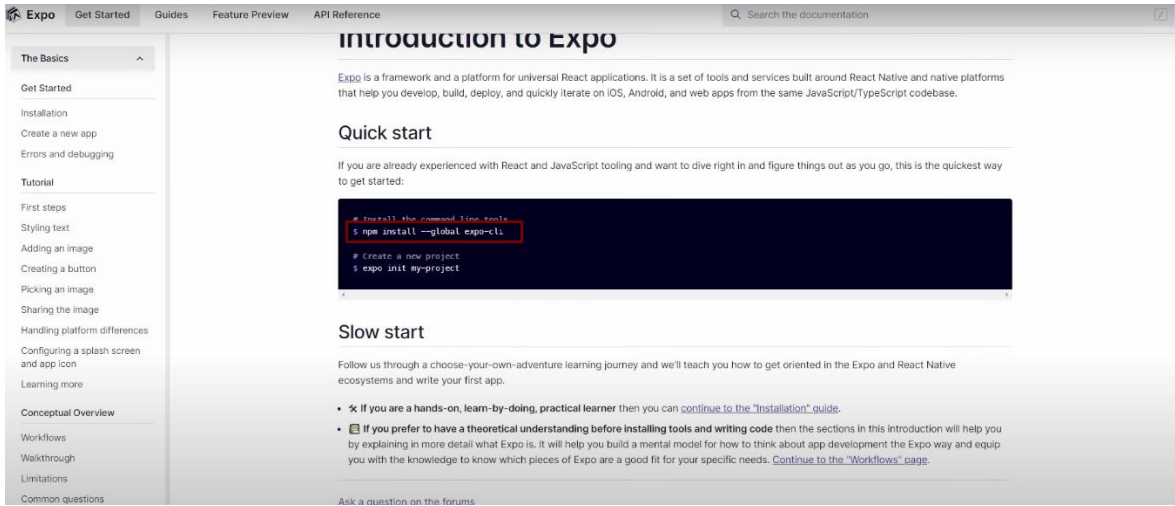
Reactive Native es una biblioteca de java script que nos permite crear aplicaciones móviles nativas para Android y iOS, a partir de una sola base de código.



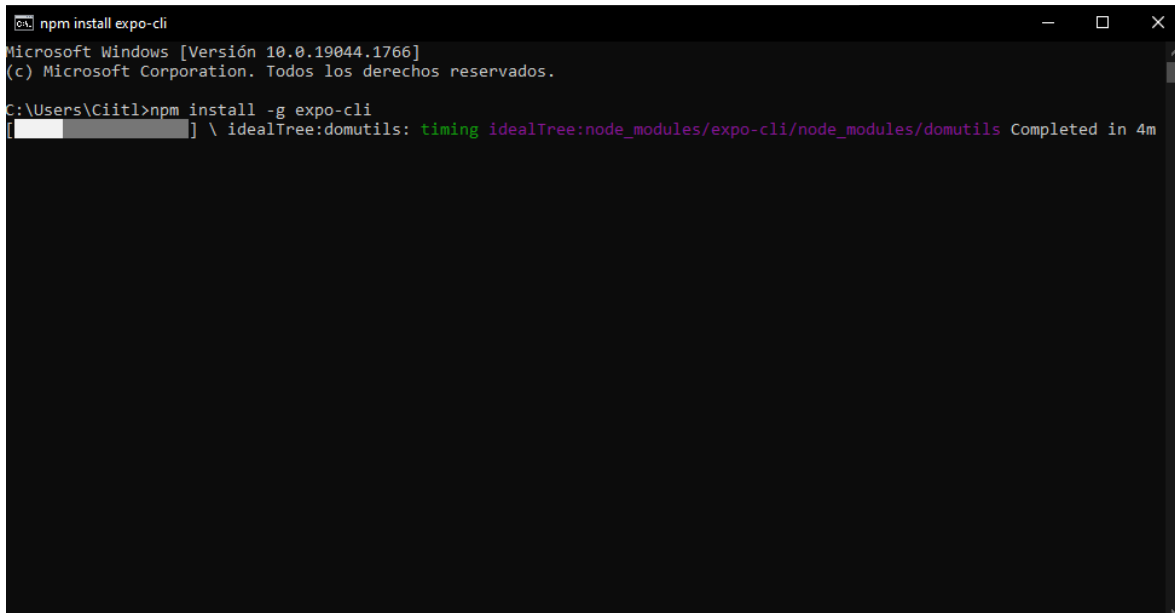
## Expo



Para instalar se tiene que abrir desde Símbolo consola y escribir el comando **npm install -g expo-cli**



Esto lo que hará es instalar el clic de expo o la herramienta del consola de expo la cual va a permitir crear un proyecto de la React Native de una manera bastante rápida.



Como se puede observar terminó de instalarse expo

```
C:\Windows\system32\cmd.exe
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
npm WARN deprecated subscriptions-transport-ws@0.9.8: The `subscriptions-transport-ws` package is no longer maintained. We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.
npm WARN deprecated graphql-tools@3.0.0: This package has been deprecated and now it only exports makeExecutableSchema. And it will no longer receive updates. We recommend you to migrate to scoped packages such as @graphql-tools/schema, @graphql-tools/utils and etc. Check out https://www.graphql-tools.com to learn what package you should use instead

added 1474 packages, and audited 1475 packages in 3m

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

26 vulnerabilities (6 moderate, 17 high, 3 critical)

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.

C:\Users\Ciitl>
```

Para navegar hacia el escritorio se tiene que escribir el comando **cd Desktop**

```
C:\Windows\system32\cmd.exe
We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.
npm WARN deprecated graphql-tools@3.0.0: This package has been deprecated and now it only exports makeExecutableSchema. And it will no longer receive updates. We recommend you to migrate to scoped packages such as @graphql-tools/schema, @graphql-tools/utils and etc. Check out https://www.graphql-tools.com to learn what package you should use instead

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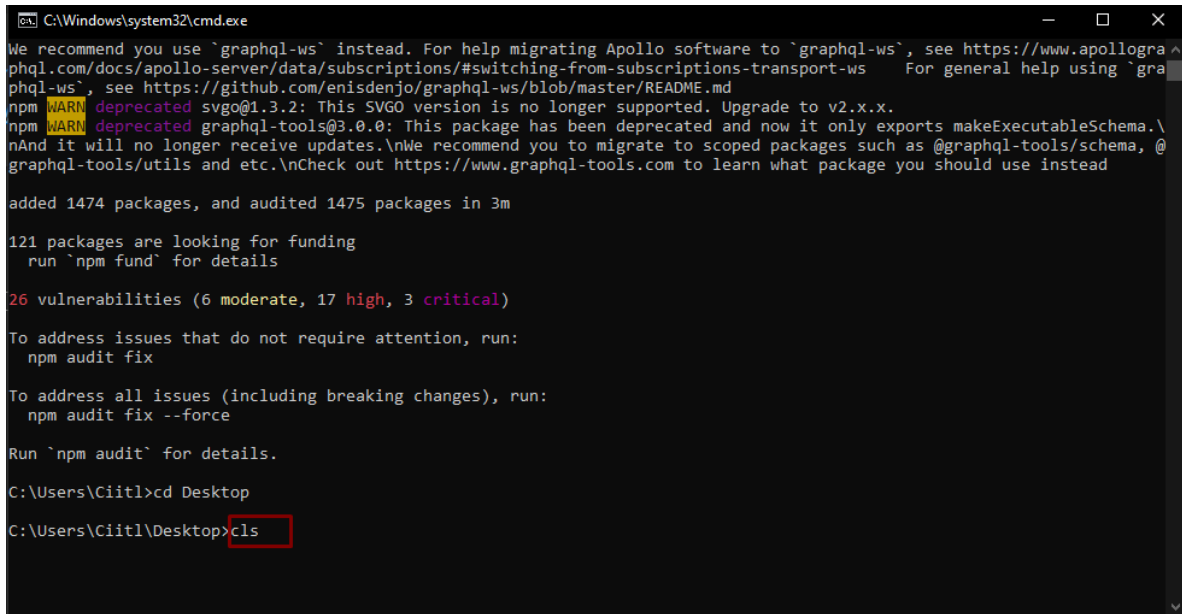
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  npm audit fix

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

Run `npm audit` for details.

C:\Users\Ciitl>cd Desktop
```

Para limpiar la consola con el comando **cls**, están en linux y mac puede utilizar el comando **clear**



```
C:\Windows\system32\cmd.exe
We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
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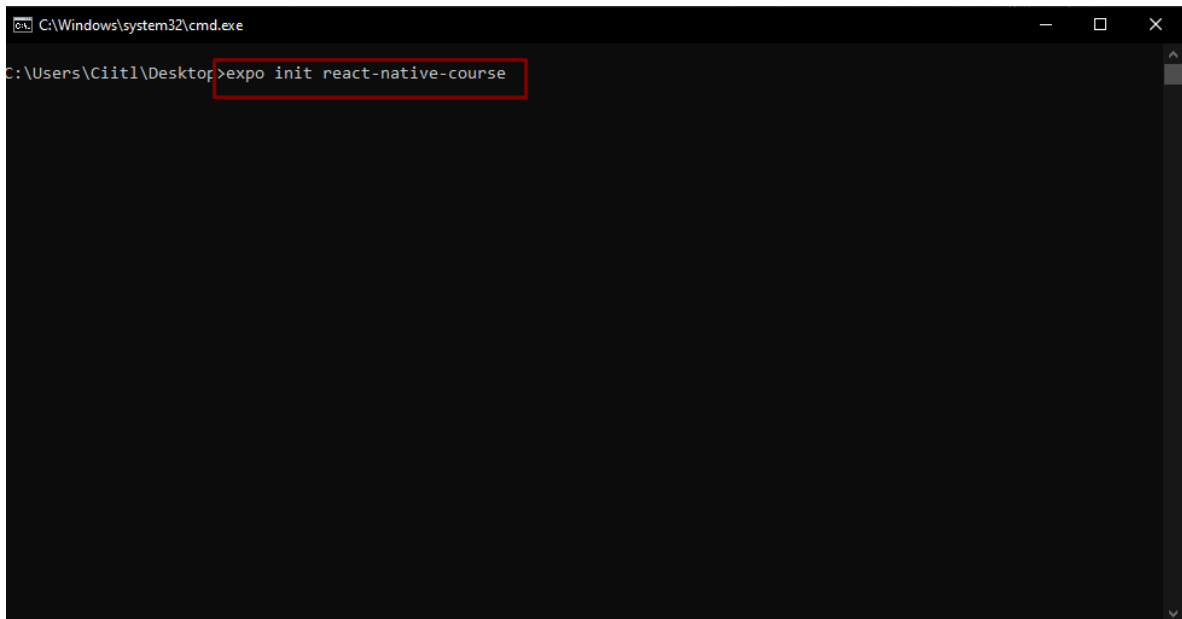
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  npm audit fix --force

Run `npm audit` for details.

C:\Users\Ciitl>cd Desktop
C:\Users\Ciitl\Desktop>cls
```

Para el primer proyecto se tiene que escribir **expo init** para darle un nombre al proyecto se llamara **react-native-course**



```
C:\Windows\system32\cmd.exe

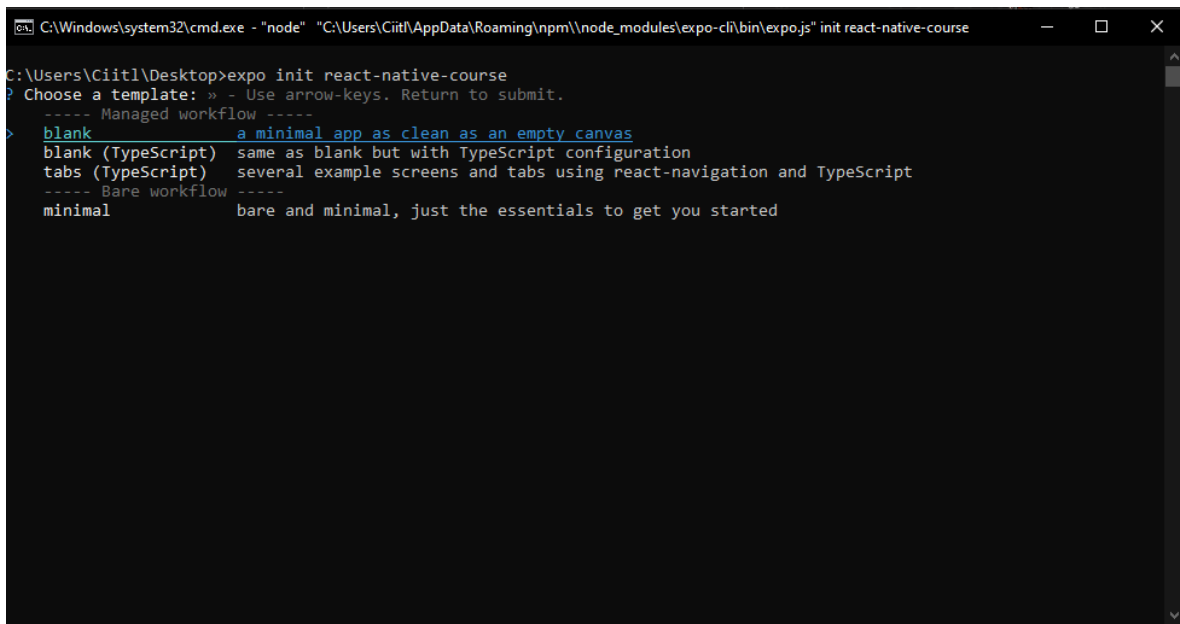
C:\Users\Ciitl\Desktop>expo init react-native-course
```

A parece tres opciones:

**Blank:** Es para crear un proyecto en blanco utilizando React Native

**Black (typescript):** Es para un proyecto en blanco de React Native con TypeScript

**Tabs (typescript):** Un proyecto utilizando incluso tabs que vendría a ser como esas pestañas que están en la parte inferior de la aplicación móvil

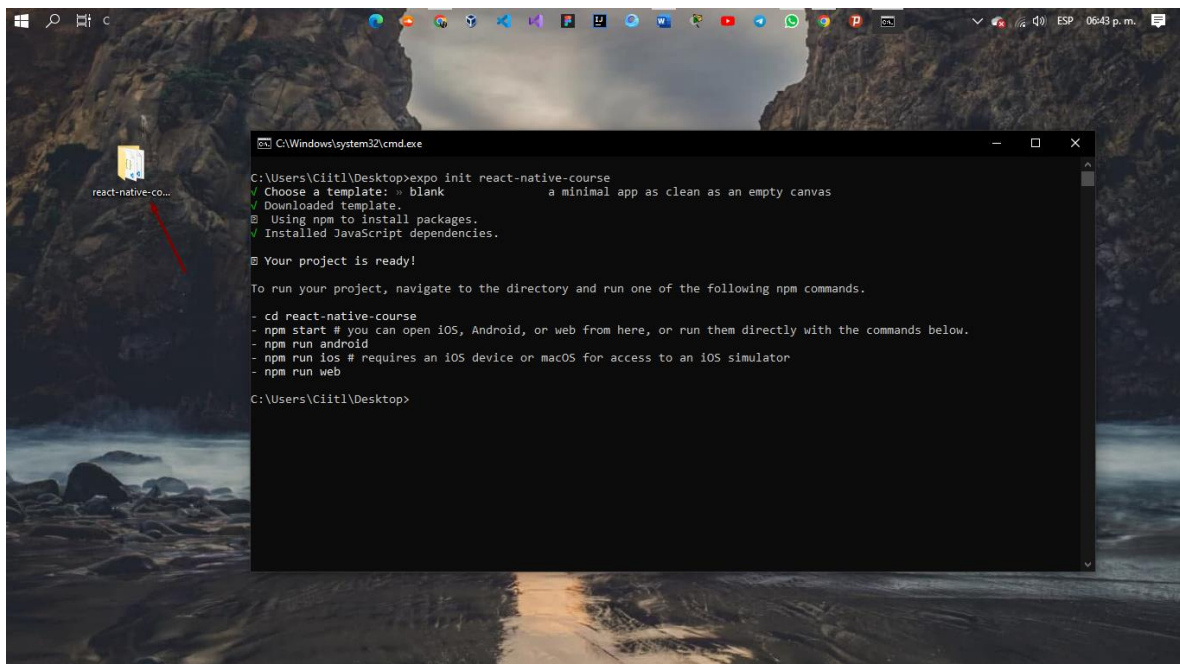


```
C:\Windows\system32\cmd.exe - "node" "C:\Users\Ciitl\AppData\Roaming\npm\node_modules\expo-cli\bin\expo.js" init react-native-course
C:\Users\Ciitl\Desktop>expo init react-native-course
? Choose a template: » - Use arrow-keys. Return to submit.
  ----- Managed workflow -----
> blank      a minimal app as clean as an empty canvas
  blank (TypeScript) same as blank but with TypeScript configuration
  tabs (TypeScript)  several example screens and tabs using react-navigation and TypeScript
  ----- Bare workflow -----
  minimal          bare and minimal, just the essentials to get you started
```

En este caso se va a seleccionar **blank**

```
C:\Windows\system32\cmd.exe - "node" "C:\Users\Ciitl\AppData\Roaming\npm\node_modules\expo-cli\bin\expo.js" init react-native-course
C:\Users\Ciitl\Desktop>expo init react-native-course
? Choose a template: » - Use arrow-keys. Return to submit.
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----- Bare workflow -----
minimal bare and minimal, just the essentials to get you started
```

Automáticamente se va a crear una carpeta con archivos de ejemplo para ya empezar a crear una aplicación de React Native



Como puede observar ya se termino de generar la carpeta, después escribir el comando **cd react-native-course**, luego escribir el comando de **cls**

```
C:\Windows\system32\cmd.exe

C:\Users\Ciitl\Desktop>expo init react-native-course
✓ Choose a template: » blank          a minimal app as clean as an empty canvas
✓ Downloaded template.
⊠ Using npm to install packages.
✓ Installed JavaScript dependencies.

⊠ Your project is ready!

To run your project, navigate to the directory and run one of the following npm commands.

- cd react-native-course
- npm start # you can open iOS, Android, or web from here, or run them directly with the commands below.
- npm run android
- npm run ios # requires an iOS device or macOS for access to an iOS simulator
- npm run web

C:\Users\Ciitl\Desktop>cd react-native-course
C:\Users\Ciitl\Desktop\react-native-course>cls
```

Escribir el comando de **npm start**

```
C:\Windows\system32\cmd.exe

C:\Users\Ciitl\Desktop\react-native-course>npm start
```

Le va a parecer el url para que pueda ingresar desde la página web, otra opción es escanear con el dispositivo móvil



```
C:\Windows\system32\cmd.exe

C:\Users\Ciit1\Desktop\react-native-course>npm start

> react-native-course@1.0.0 start
> expo start

Starting project at C:\Users\Ciit1\Desktop\react-native-course
Developer tools running on http://localhost:19002
Starting Metro Bundler

[QR Code]

> Metro waiting on exp://192.168.1.70:19000
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

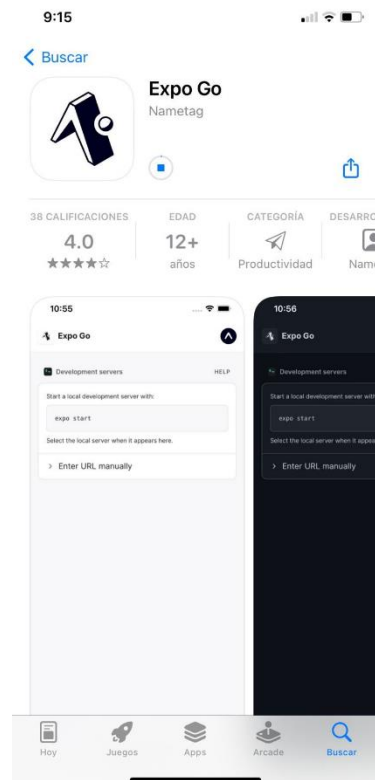
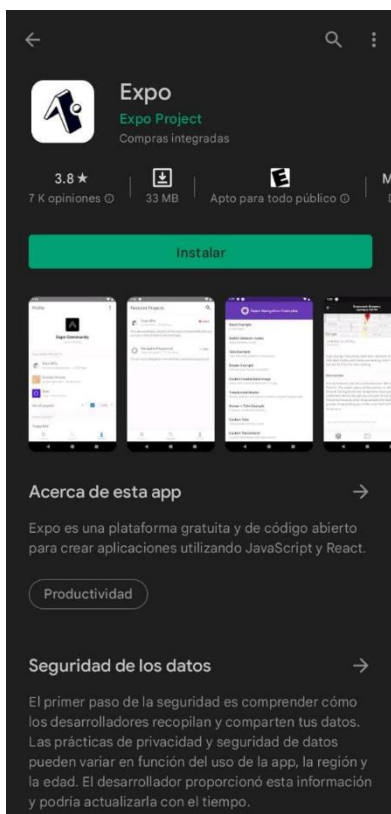
> Press a | open Android
> Press w | open web

> Press r | reload app
> Press m | toggle menu
> Press d | show developer tools
> shift+d | toggle auto opening developer tools on startup (disabled)

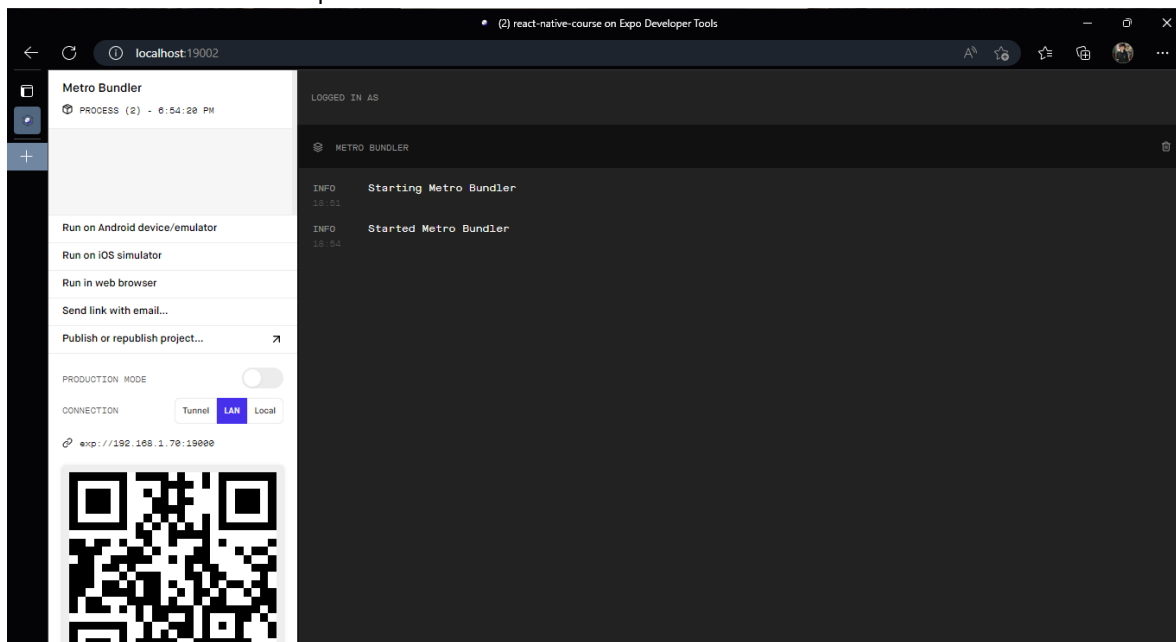
> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
```

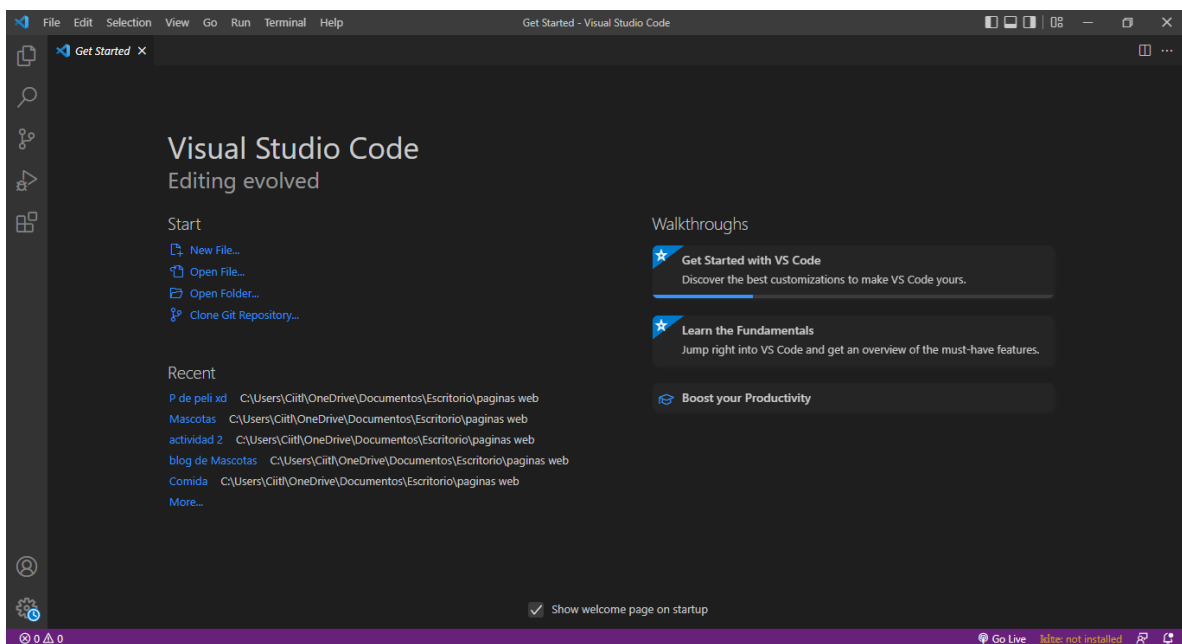
Expo está disponible para **Android** y **iOS**



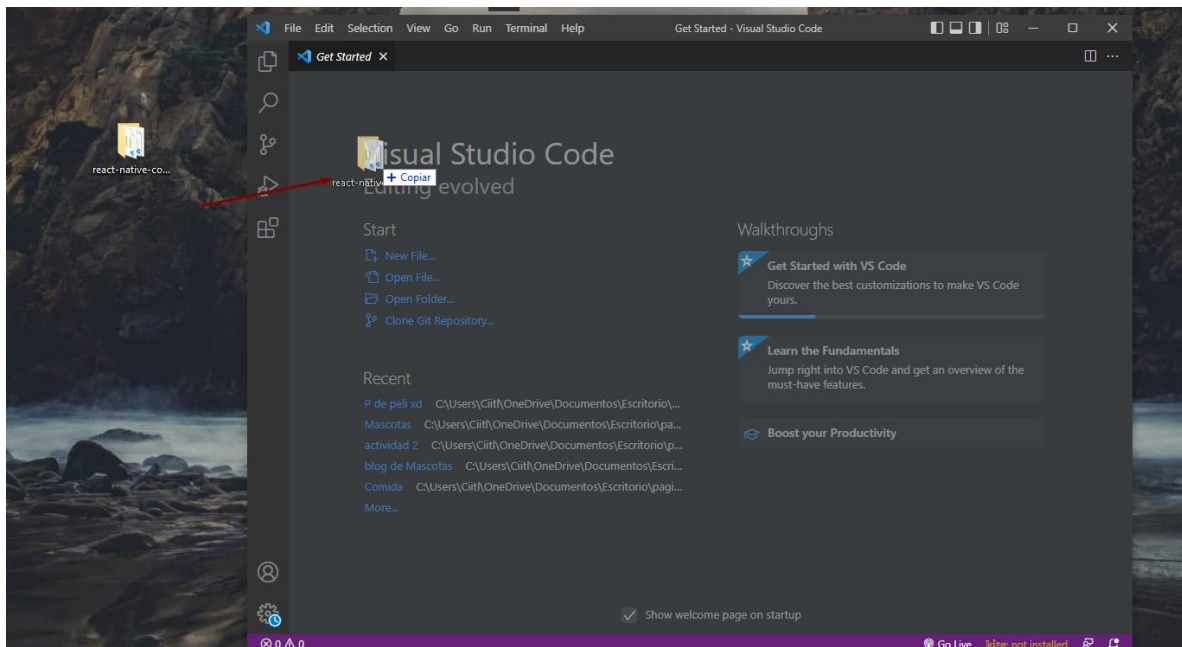
Ya que se copió el url al navegador y se muestra que ya empezó en la conversión de la aplicación



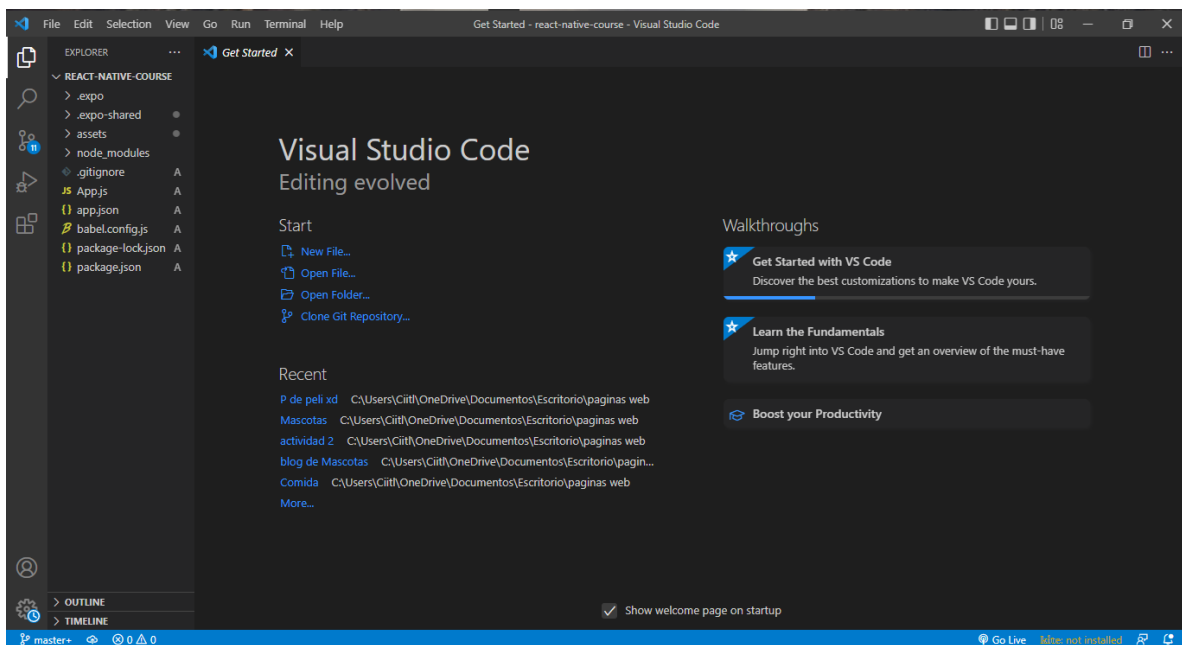
Abrir Visual Studio Code



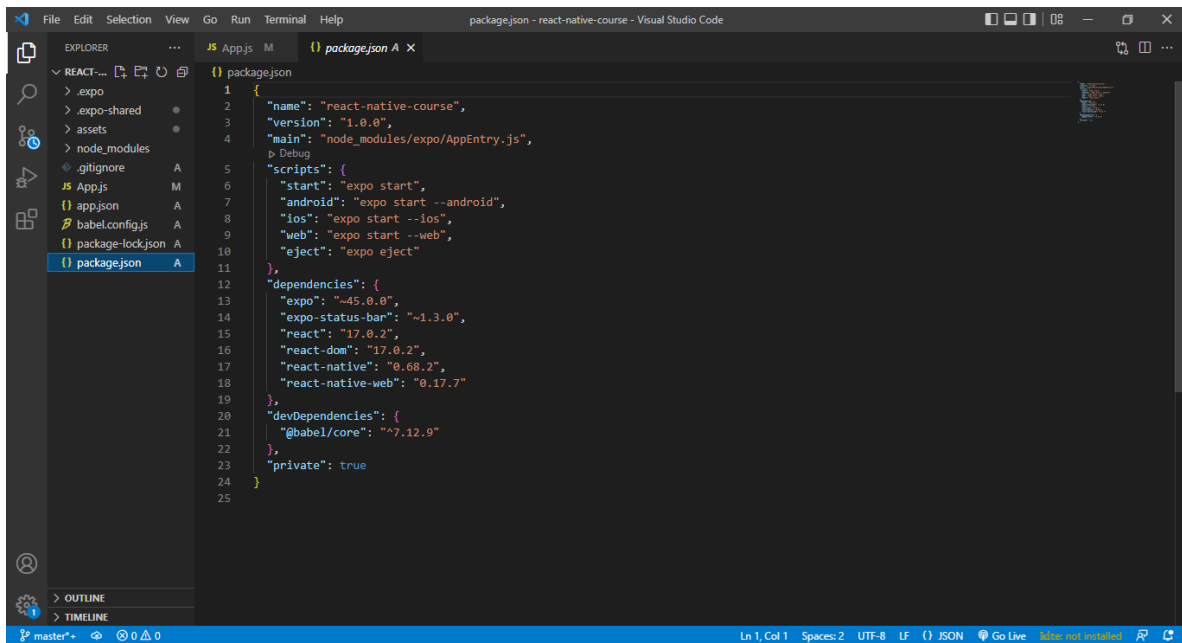
Arrastrar la carpeta de generada por expo a Visual Studio Code



Es lo que aparece en la carpeta

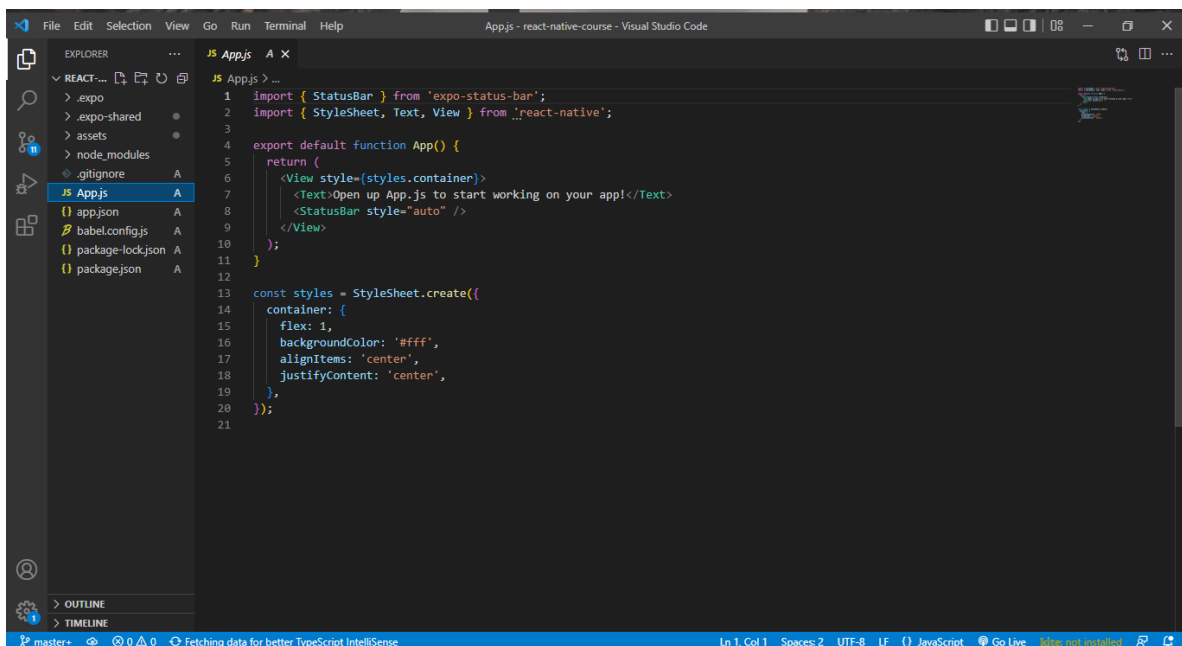


Este código donde están los scripts para empezar a desarrollar



The screenshot shows the Visual Studio Code interface with the `package.json` file open. The Explorer sidebar on the left shows the project structure, including `package-lock.json` and `package.json`. The main editor displays the following JSON content:

```
1 {
2   "name": "react-native-course",
3   "version": "1.0.0",
4   "main": "node_modules/expo/AppEntry.js",
5   "scripts": {
6     "start": "expo start",
7     "android": "expo start --android",
8     "ios": "expo start --ios",
9     "web": "expo start --web",
10    "eject": "expo eject"
11  },
12  "dependencies": {
13    "expo": "~45.0.0",
14    "expo-status-bar": "~1.3.0",
15    "react": "17.0.2",
16    "react-dom": "17.0.2",
17    "react-native": "0.68.2",
18    "react-native-web": "0.17.7"
19  },
20  "devDependencies": {
21    "@babel/core": "^7.12.9"
22  },
23  "private": true
24 }
```

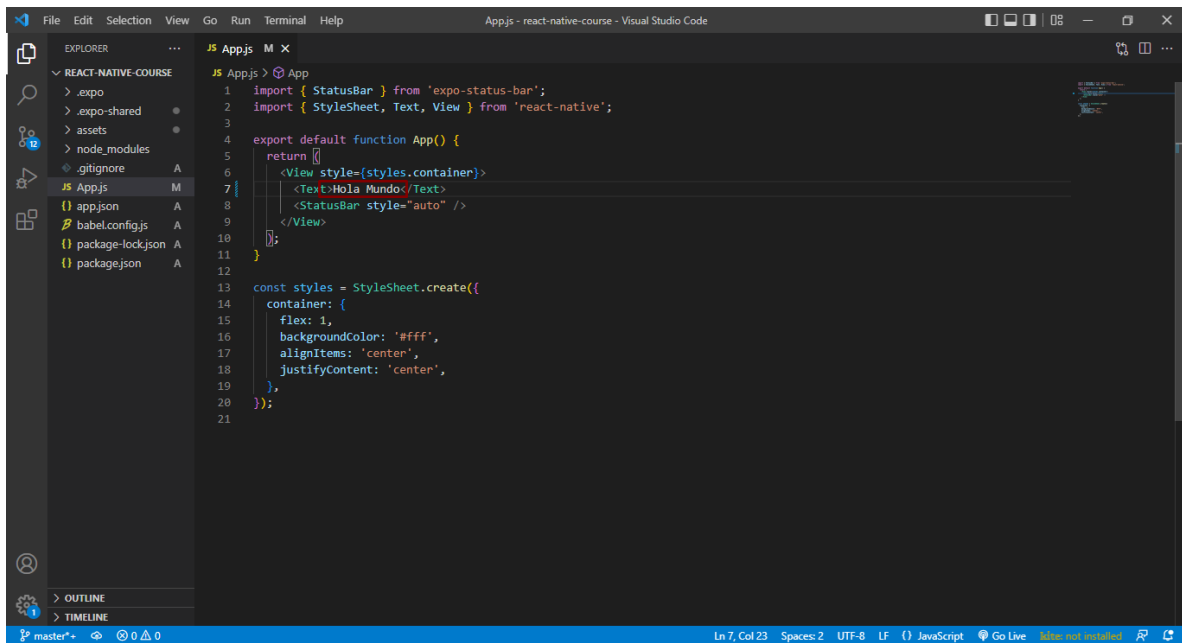


The screenshot shows the Visual Studio Code interface with the `App.js` file open. The Explorer sidebar on the left shows the project structure, including `App.js` and `package.json`. The main editor displays the following JavaScript code:

```
1 import { StatusBar } from 'expo-status-bar';
2 import { StyleSheet, Text, View } from 'react-native';
3
4 export default function App() {
5   return (
6     <View style={styles.container}>
7       <Text>Open up App.js to start working on your app!</Text>
8       <StatusBar style="auto" />
9     </View>
10   );
11 }
12
13 const styles = StyleSheet.create({
14   container: {
15     flex: 1,
16     backgroundColor: 'white',
17     alignItems: 'center',
18     justifyContent: 'center',
19   },
20 });
21
```

Para que se pueda ver lo que aparece se tiene que abrir la app de Expo y vincular con el QR

Borramos lo que tiene como full y escribir Hola Mundo



```
1 import { StatusBar } from 'expo-status-bar';
2 import { StyleSheet, Text, View } from 'react-native';
3
4 export default function App() {
5   return (
6     <View style={styles.container}>
7       <Text>Hola Mundo</Text>
8       <StatusBar style="auto" />
9     </View>
10   );
11 }
12
13 const styles = StyleSheet.create({
14   container: {
15     flex: 1,
16     backgroundColor: '#fff',
17     alignItems: 'center',
18     justifyContent: 'center',
19   },
20 });
21
```

Resultado

