**Let’s create a React app from scratch –** [Mihara Inuri](https://miharainuri.medium.com/?source=post_page-----91663e5465ca--------------------------------) May 13, 2022

You can easily create a react app using following command

*npx create*-*react*-*app* [*your project name*]

But here we are going to create a react app from scratch so you can get a better understanding…

Before start creating, make sure you have installed node and npm.

you can check the installed versions using following commands..

*node* -*v  
npm* -*v*

**Step 1:**Create a folder & open that created folder from your favorite IDE. And then open the Terminal from that folder location.

**Step 2:**Initialize the npm directory using,

*npm init* -*y*

Here, we use **-y** in order to skip the initialization questions.

Now you have got the package.json file.

**Step 3:**Create a**src**directory inside the created folder to keep the source codes for the project.

**Step 4:**If you want to connect the project with the version controller, use the command,

*git init*

Then create a .gitignore file to keep the files which won’t track by Git.

ex: node modules, .env

**Step 5:**Run the following command

*npm install* -*D eslint eslint*-*plugin*-*import eslint*-*plugin*-*jsx*-*a11y eslint*-*plugin*-*react*

eslint-plugin-import => to check imports for errors

eslint-plugin-jsx-a11y => helps to write accessible jsx for screen reader

eslint-plugin-react => to understand react syntax

**Step 6:**Create .eslintrc.json file and add following codes in it.

{  
 //the order of the "extends" array matters.  
 "extends": [  
 "eslint:recommended", //loads all of the eslint:recommended rules including white space rules.  
 "plugin:import/errors", //https://www.npmjs.com/package/eslint-plugin-import  
 "plugin:react/recommended", //https://www.npmjs.com/package/eslint-plugin-react  
 "plugin:jsx-a11y/recommended", //https://www.npmjs.com/package/eslint-plugin-jsx-a11y  
 "prettier" //turns off the eslint white space rules and other rules it knows how to handle specifically.  
 ],  
 "plugins": ["react", "jsx-a11y", "import"],  
 "rules": {  
 "react/prop-types": *0*, //turns off props types '0' means turn off  
 "react/react-in-jsx-scope": *0* //turns off requiring to import react in every file  
 },  
 "parserOptions": {  
 "ecmaVersion": *2021*, //use the most modern version.  
 "sourceType": "module", //we will be using ES Modules  
 "ecmaFeatures": {  
 "jsx": *true* //we will be using JSX  
 }  
 },  
 "env": {  
 //describe the environment this code will run in  
 "es6": *true*, //eslint won't throw error if we try to use es6 methods like map() or reduce().  
 "browser": *true*, //eslint won't throw errors if we use fetch() or the window object  
 "node": *true* //eslint won't throw erroes if we try to access things in a node environement like 'golbal' or 'process'.  
 },  
 "settings": {  
 "react": {  
 "version": "detect" //tells eslint to look at the package.json and figure it out  
 }  
 }  
}~By @[RyanCahela](https://github.com/RyanCahela)

The above code includes the comments which explain the reason for each line of code.

**Step 7:**Run following command to install react & react-dom

*npm install react react*-*dom*

**Step 8:**Install parcel using following command

*npm install* -*D parcel*

**Step 9:**Add following script to package.json to point parcel to your project index file.

"scripts": {  
 "dev": "parcel src/index.html"   
 },

* Note: If you don’t use parcel, you can use babel package.

**Step 10:**Inside src folder, create the following 3 files

* index.html => Inside index.html, create a div with the id of root & a script tag pointing index.js with type module attribute

<*div id*="root"></*div*>  
<*script src*="index.js" *type*="module"></*script*>

* index.js => Inside index.js, import react-dom, import App from attach app to the root element by calling reactdom.render

*import ReactDOM from* "react-dom";  
*import App from* "./App";  
  
*ReactDOM*.render(<*App* />, *document*.getElementById("root"));

* App.js => Inside App.js, create a function called app that returns a jsx with what you want to return

function App() {  
 return <*h1*>*Hello REACT*</*h1*>;  
}

**Step 11: Save the project & run**

*npm run dev*

**Step 12:**Go to the localhost 1234

Now You can see your react app working successfully…

**Conclusion**

We just briefly learned how to create a react app from scratch.

That’s it for now, and please press the clap button if you find this article helpful.