# Lab 13: React

Step 1: Initialize our React App

* npx create-react-app lab13
* cd lab13
* npm start

npx comes with node and npm. It allows to run packages. “create-react-app” is a package that creates an initial almost empty React app for us.

Step 2: Clean the initial code

1. Clean intex.html under the public folder by removing comments - and setting a title to your App.
2. Clean the App.js component by removing the initial UI contents.
3. Add a header, a main and a footer to the returned div.
4. Create a variable (banner = “Lab 13 | React”) before the return and inject it inside the returned HTML (JSX) using {banner}.

Step 3: Build our App Layout

1. Create a folder “components” under “src”. Create a new file “Header.js”. Initialize it to:

const Header = () => {

  const banner = "Lab 13 - Learn React"

  return(

    <header>

      {banner}

    </header>

  );

}

export default Header;

1. Use this new component inside App.js
2. Create a components for “main” and “footer”.

Step 4: Using props (state)

1. Add “props” as argument of the four function components.
2. In App.js, send the banner value to the Header component:

        <Header banner="Lab 13 - Learn React!"/>

1. Read the “banner” prop from the Header component and display it in the header.

Step 5: Create a simple TODO list App

1. Create a table that displays an array of TODO tasks (simple string objects).
2. Create an input element and a button to add a new task in the array.
3. Create a delete button for each table row that can be used to remove the task from the array.

**END**