# Lab 12: React

Step 1: Initialize our React App

* npm update -g
* npm create vite@latest
  + projectName
  + React
  + JavaScript
* cd projectName
* code .
* npm install
* npm run dev

Step 2: Clean the initial code

1. Clean the App.jsx component by removing the initial UI content.
2. Add a header, a main and a footer to the returned div.

Step 3: Build our App Layout

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

const Header = () => {

  const banner = "Lab 12 - Learn React"

  return(

    <header>

      <h1>{banner}<h1>

    </header>

  );

}

export default Header;

1. Use this new component inside App.js
2. Create components “Main” and “Footer”.

Step 4: Using props (state)

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

        <Header banner="Lab 12 - 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 an array of tasks in App.js and pass in in the props of the Main component.
2. In Main, Create a ul element that displays the array of TODO tasks (simple string objects).

**END**