Report Day: 6.1

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Group: Frontend Development @ProSensia

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What is React?

React is a **JavaScript library** used to build **web pages** and **user interfaces** (UIs).

- Made by **Facebook**.
- Helps create **interactive** and **fast** websites.
- Used for **Single Page Applications (SPA)** – websites that load once and then update without reloading the whole page.

How to Set Up React Using create-react-app

To start using React easily, we use a tool called **create-react-app**. It sets up everything for you.

1. **Install Node.js**
   Go to https://nodejs.org and install it.
   It comes with `npm` (a tool to install packages).
2. **Create a New React App**
   - Open your **command prompt (cmd)** or **terminal**.
   - Type this

     npx create-react-app my-app

3. **Go to Your Project Folder**:
   Type this:
   cd my-app

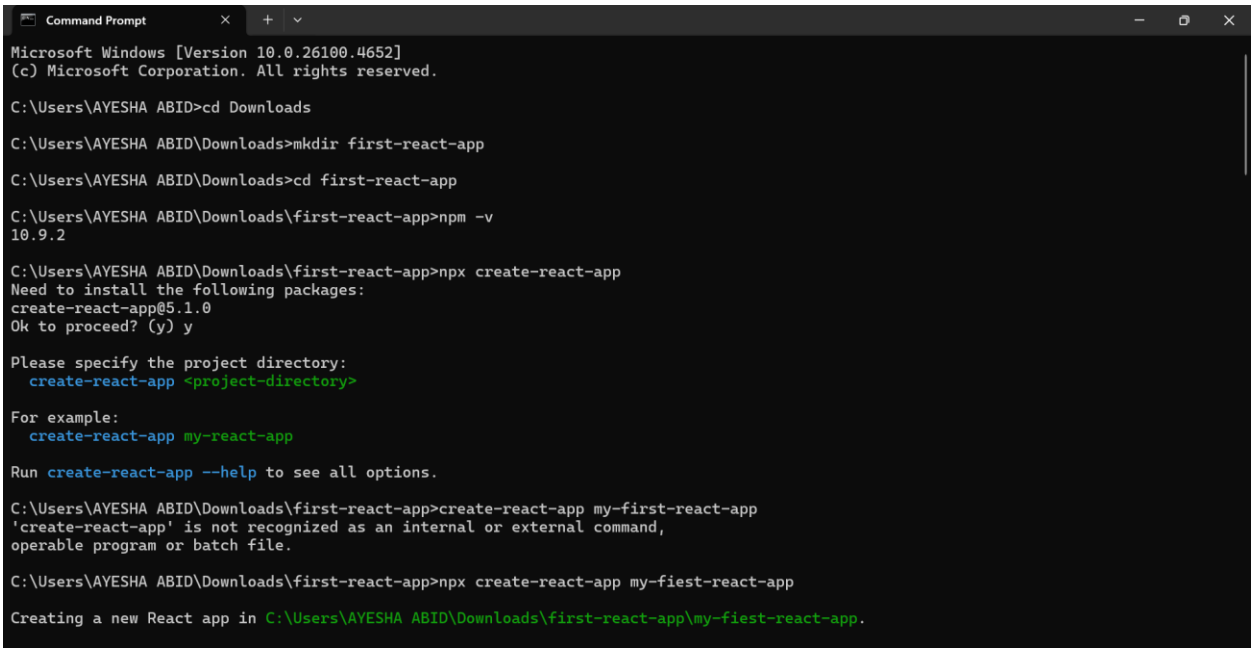
4. **Start the App**:
   Type this:
   npm start

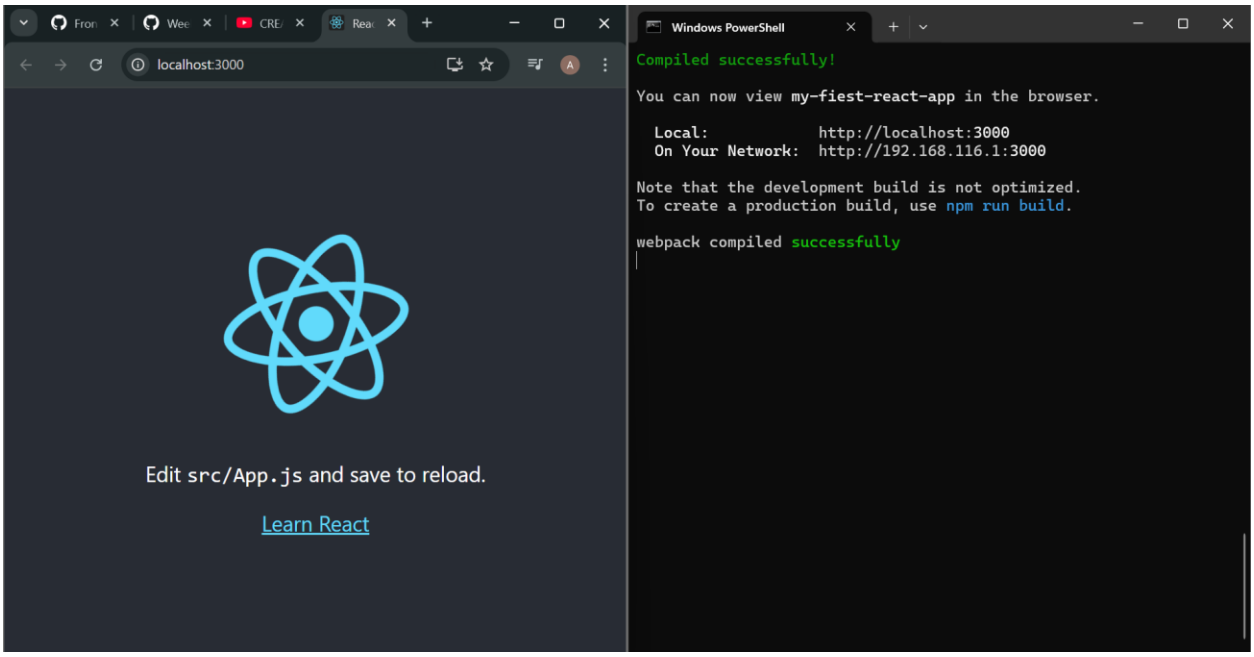
   Our browser will open a page at http://localhost:3000 showing the React welcome screen.

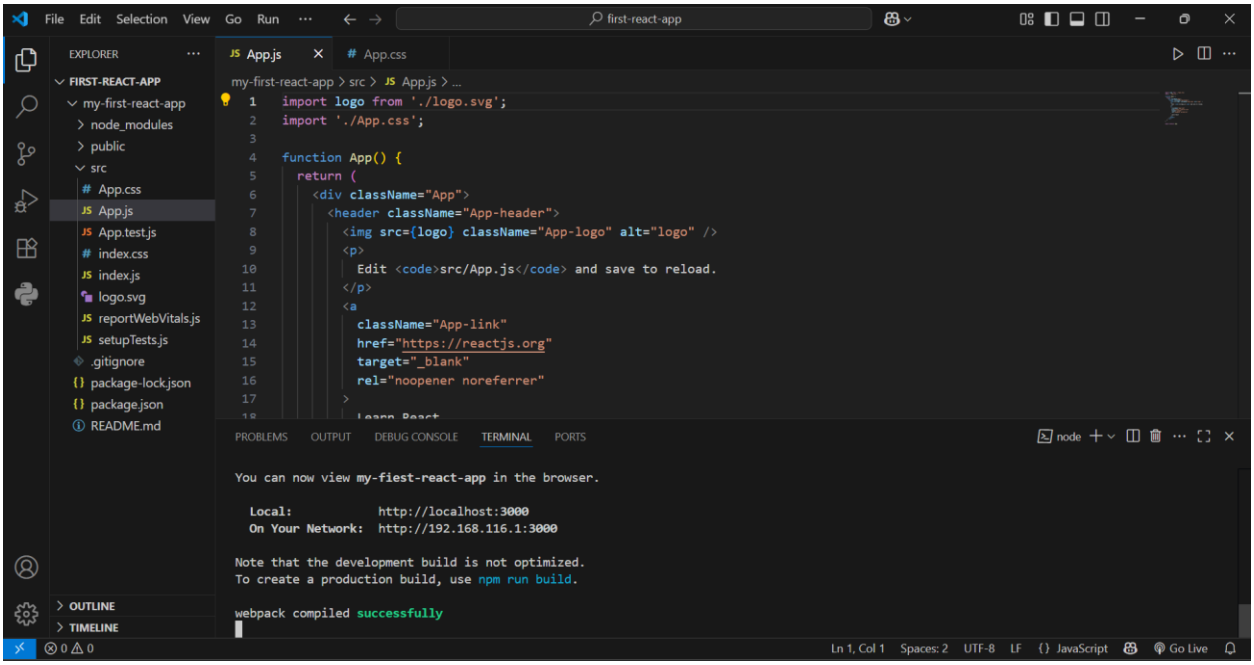
   We now have a basic React app! The page is running, and you can start editing the code in:

- src/App.js → Main component
- public/index.html → The HTML file that loads our app

Screenshots:






File Edit Selection View Go Run
first-react-app
EXPLORER
App.js
App.css
FIRST-REACT-APP
my-first-react-app
node_modules
public
src
App.css
App.js
App.test.js
index.css
index.js
logo.svg
reportWebVitals.js
setupTests.js
.gitignore
package-lock.json
package.json
README.md
my-first-react-app > src > App.js > ...
import logo from './logo.svg';
import './App.css';
function App() {
return (

<header className="App-header">
<img src={logo} className="App-logo" alt="logo" />

Edit <code>src/App.js</code> and save to reload.

<a
className="App-link"
href="https://reactjs.org"
target="_blank"
rel="noopener noreferrer"
>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
You can now view my-fiest-react-app in the browser.
Local: http://localhost:3000
On Your Network: http://192.168.116.1:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 2 UTF-8 LF {} JavaScript Go Live

localhost:3000
My First React App
Ayesha Abid
Edit src/App.js and save to reload.
Learn React