

CHAPTER 1

CREATE REACT APP

1.1 INTRODUCTION:

REACT A JavaScript library for building user interfaces. **Learn Once, Write Anywhere** We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

React makes it painless to create interactive Uis. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

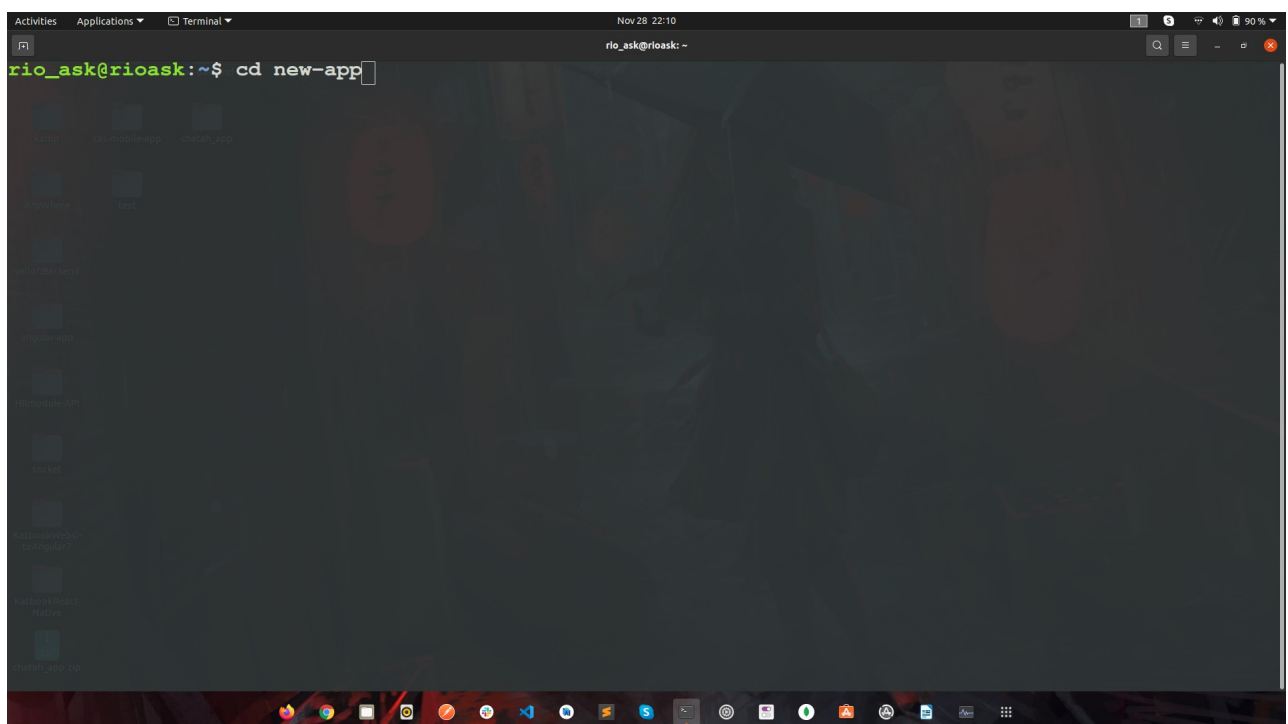
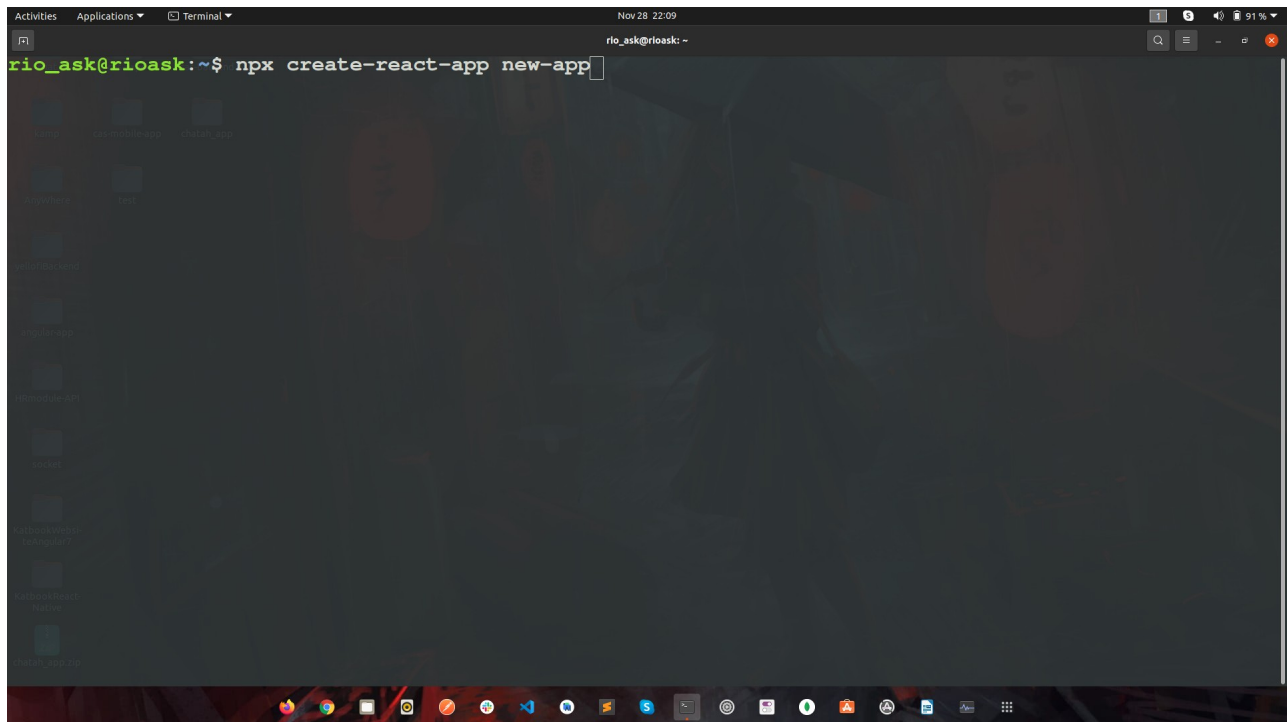
Component-Based build encapsulated components that manage their own state, then compose them to make complex Uis. Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the **DOM**.

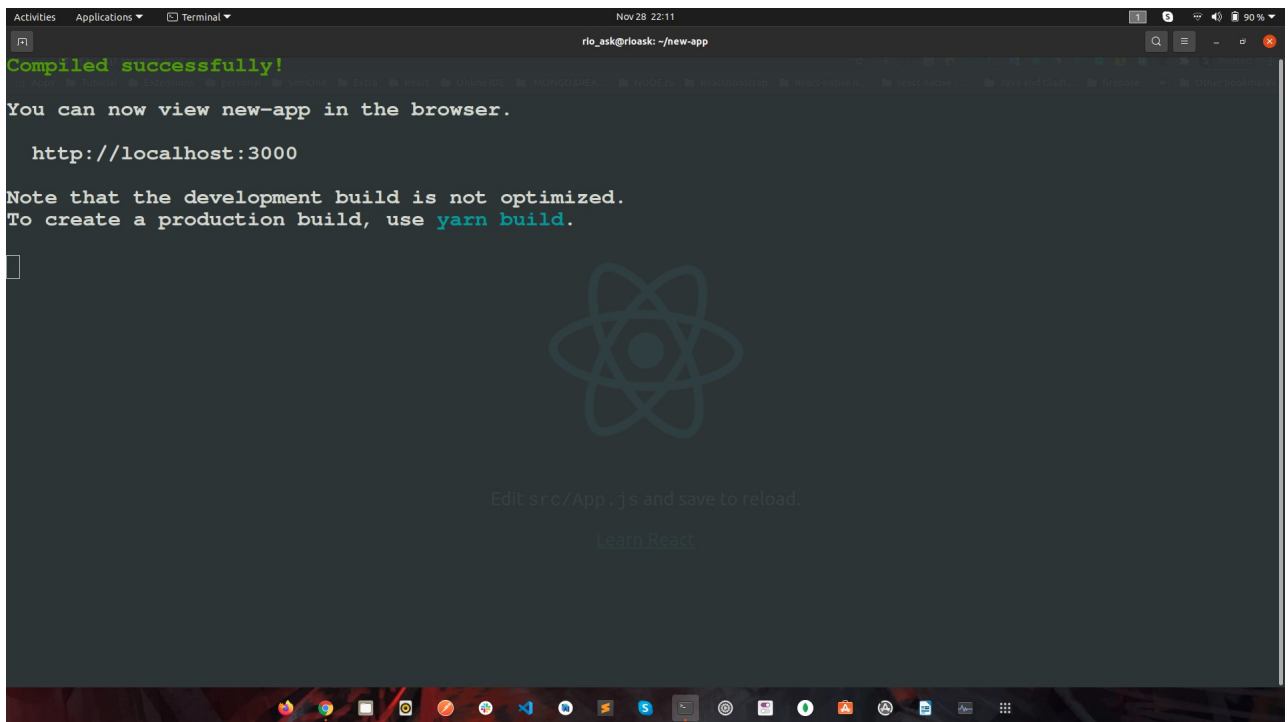
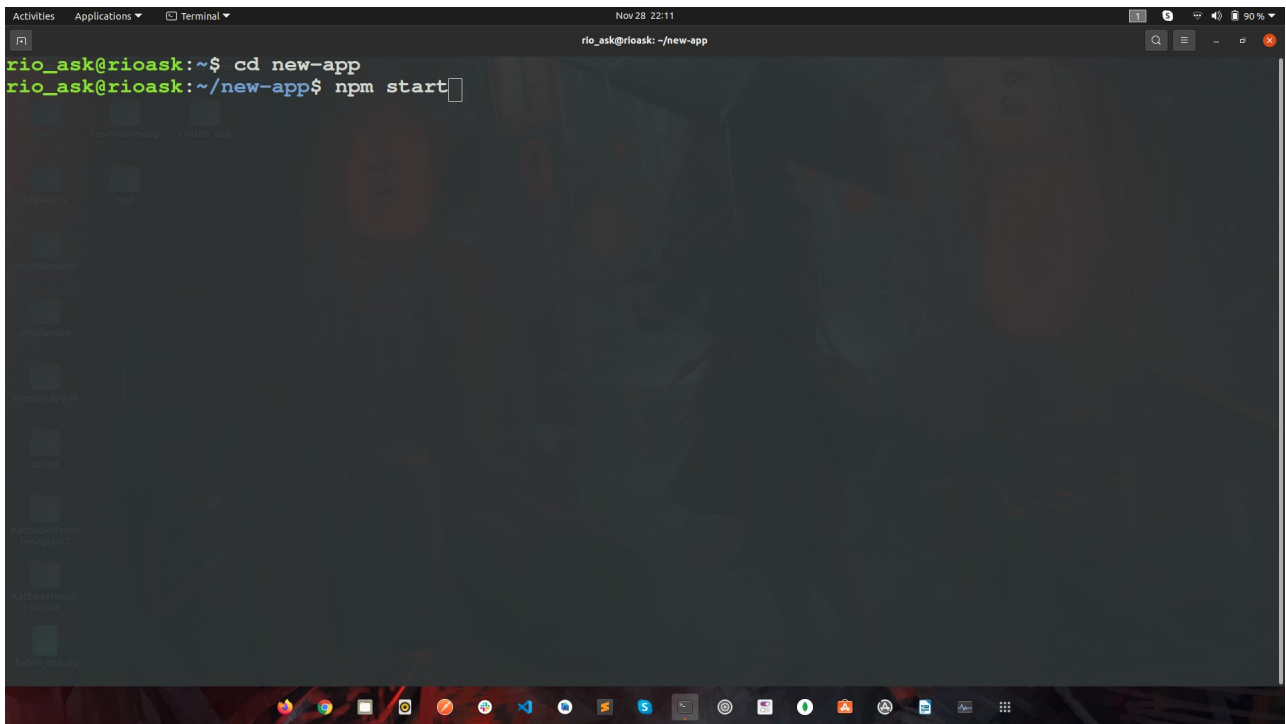
1.2 INSTALLATION:

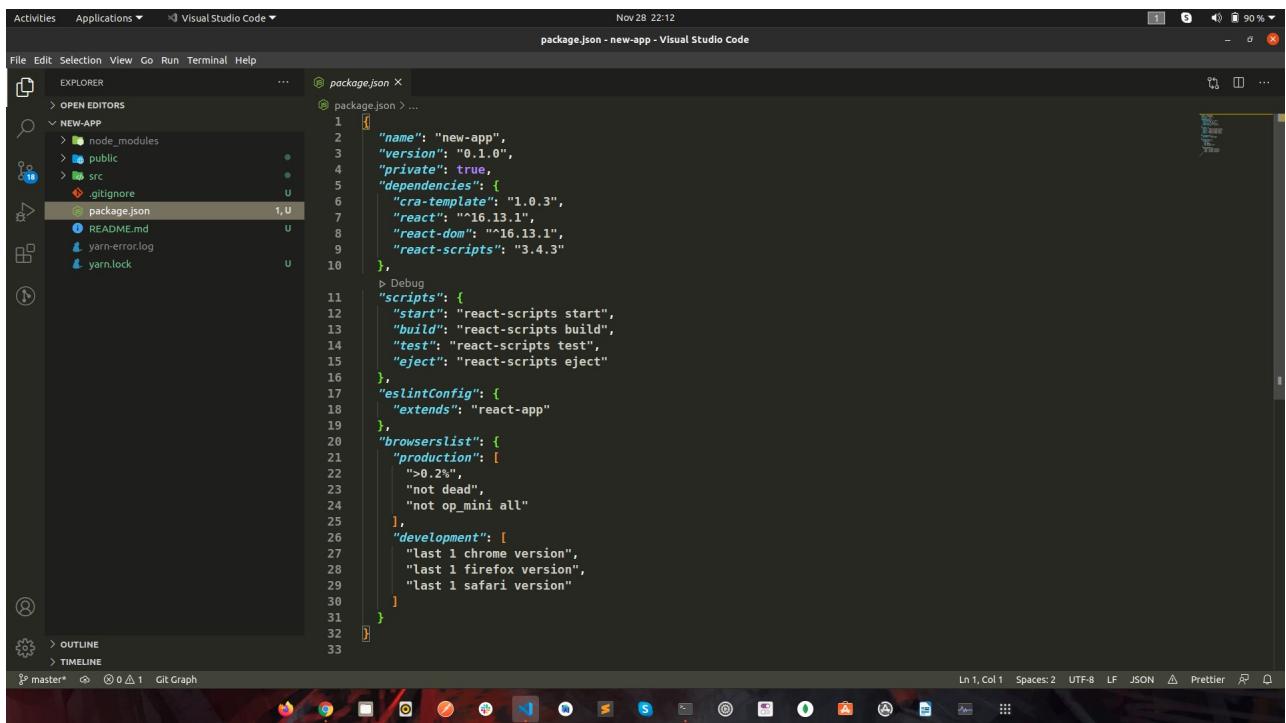
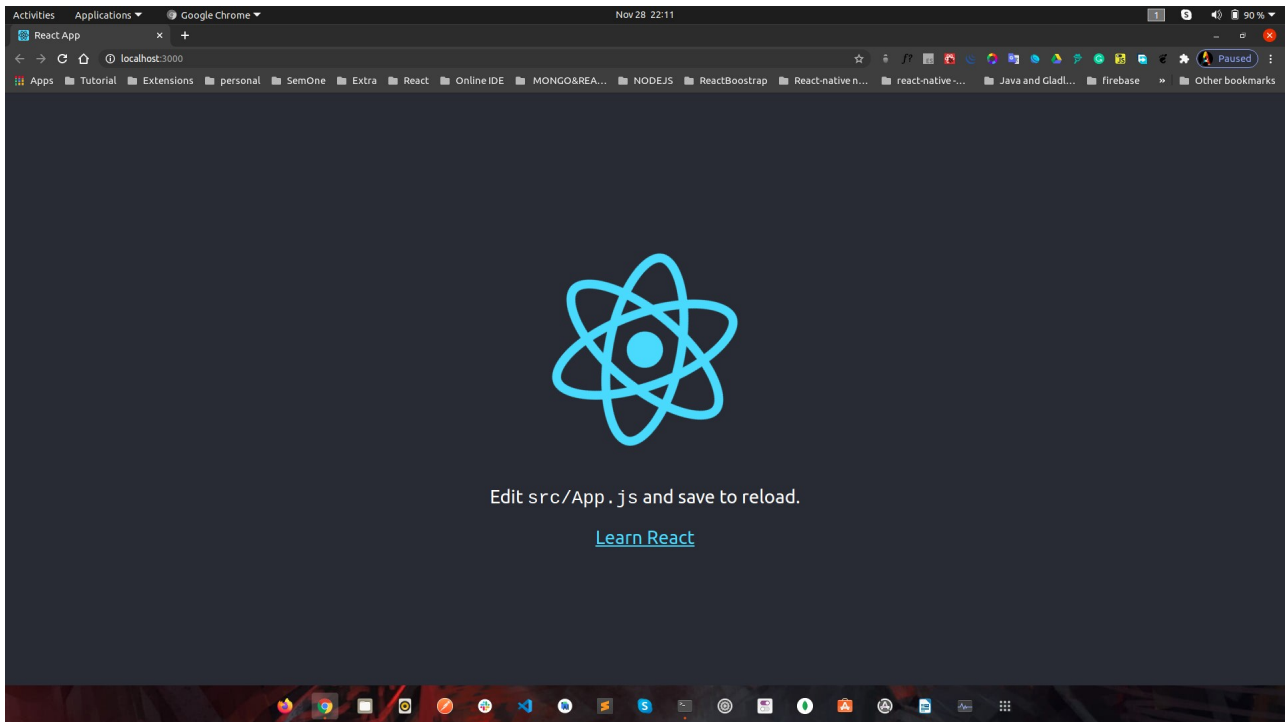
Create a New React App when starting a react project, a simple HTML page with script tags might still be the best option. It only takes a minute to set up!

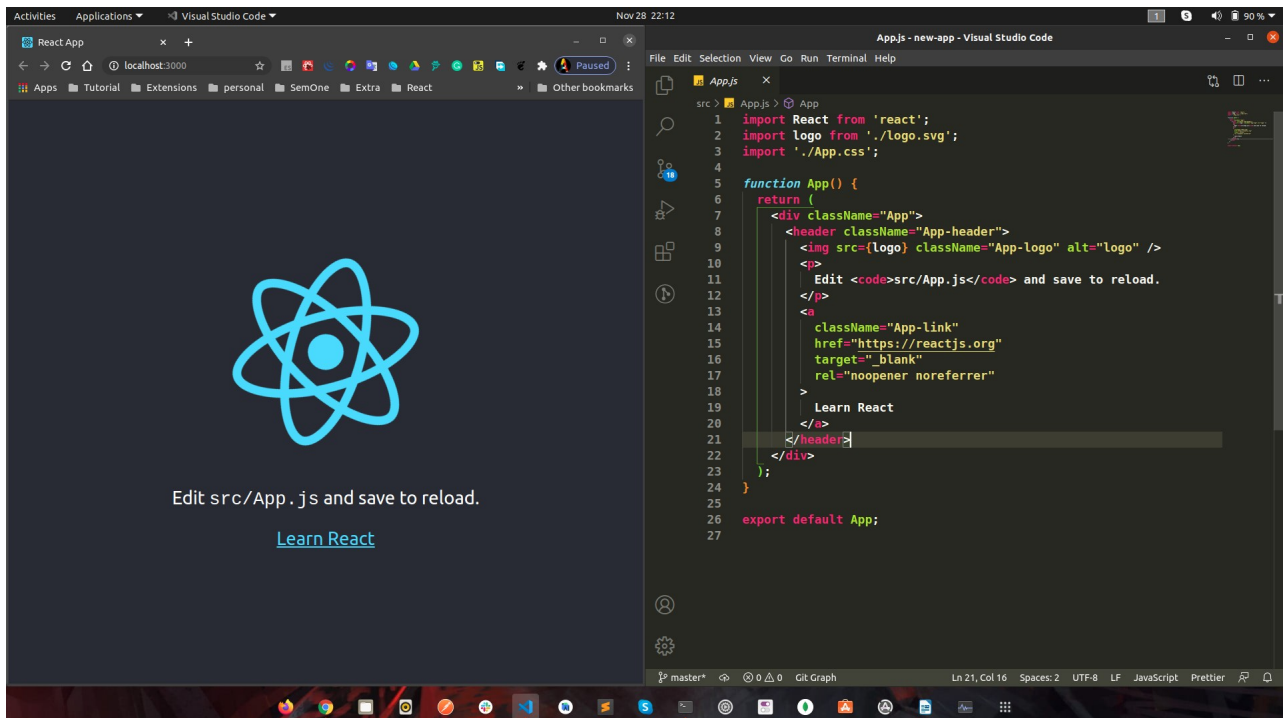
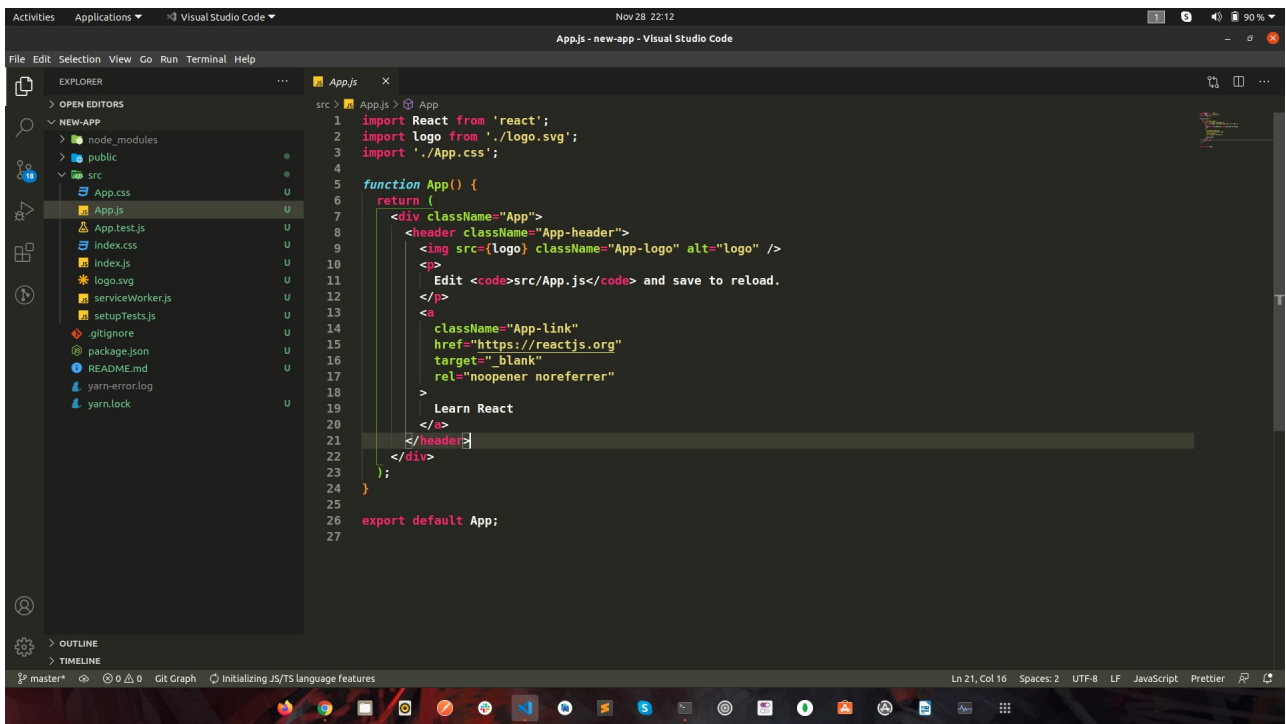
```
npx create-react-app my-app  
cd my-app  
npm start
```

Following steps:









Conclusion:

Reactjs code directly in the **Nodejs** environment. The React DOM has component specifically designed to work with nodejs tha reduce lines of code, making server-side rendering comparatively easy.

Ref - <https://nodejs.org/en/>

npm is a package manager for the Node JavaScript platform. Its puts modules in place so tha node can find them, and manages dependency conflicts intelligently. Most commonly, it's used to publish, discover install, nad develop node programs. Run **npm --help** to get list of available commands.

Ref - <https://www.npmjs.com/>