ReACTJS-Notes

**React:**

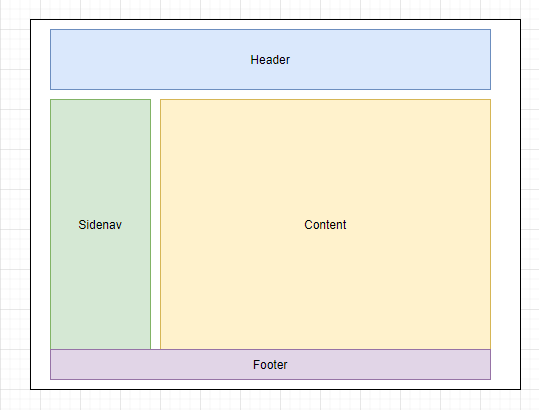
What is React?

* Open source library for building user interfaces
* Not a framework
* Focus on UI
* Rich ecosystem: means provide other library which is used for routing, service call etc.

Why learn React?

* Created and maintained by Facebook
* More than 100k stars on github
* Huge community so if you face any problem during react development you can get answer easily online.
* It is demand skillset.

React has component-based architecture, means all website can be broken into small chunks called components. E.g.



It is also reusable code

React is declarative, tell react what you want and react will build the actual UI. Means you just need to give instruction and react will be build your UI.

React will handle efficiently updating and rendering of the components.

DOM updates are handles gracefully in react.

Seamlessly integrate react into any of your applications.

**Prerequisites:**

1. HTML, CSS and JavaScript fundamentals
2. ES6
3. JavaScript- this keyword, filter map and reduce.

**Software Requirement:**

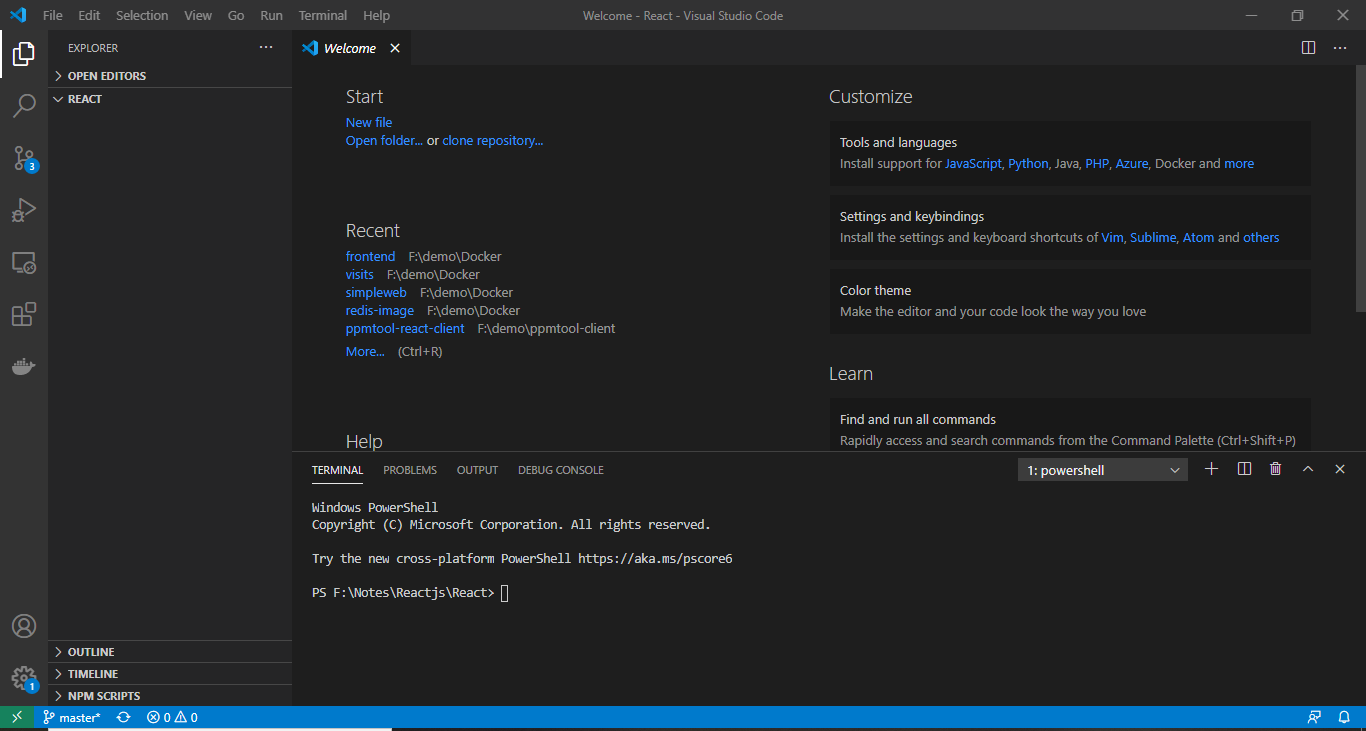
1. Node: <https://nodejs.org/en/>
2. Editor of your choice.: <https://code.visualstudio.com/>

You can also install some plugins in VS Code which help you improve your development experience.

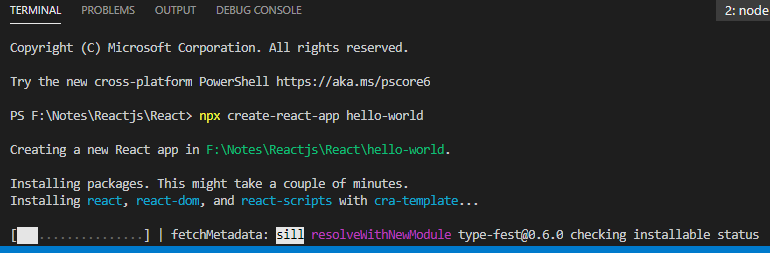
1. Auto import
2. Prettier code formatter
3. Import beautify

Create a hello-world react app.

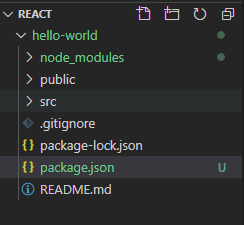
1. Create a folder in your system
2. Open that folder in vs code.



1. Open terminal from terminal menu.
2. We are going to use create-react-app utilities to create react app. We can either use **npx create-react-app <Project-name>** (which is npm package runner) or directly installed create-react-app in your system using **npm install -g create-react-app** and then **create-react-app <Project-name>**.



Once it completed you can see below folder structure.



Run cd hello-world to change directory and Open App.js file and remove below line

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

Now run npm start command to start server. Once it started you can see below page.

