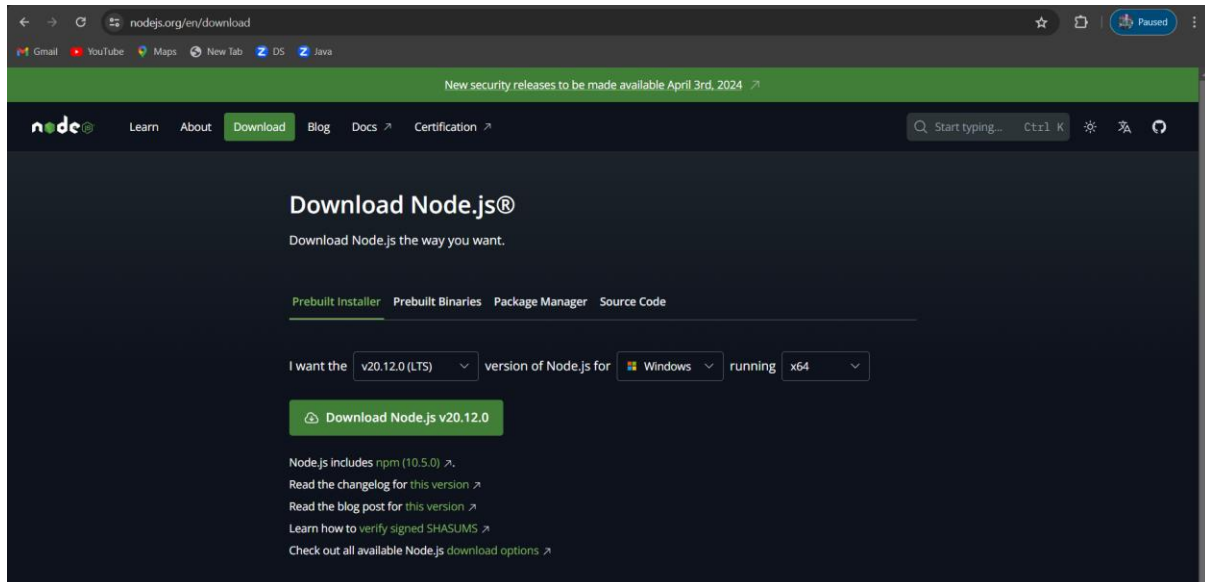# LAB EXPERIMENT : 6

Install & Configure Visual Studio Code as an IDE, setup an environment for React by downloading Node.js and install React framework along with its packages. Understand the folder structure used by React and develop a "Hello World Application".
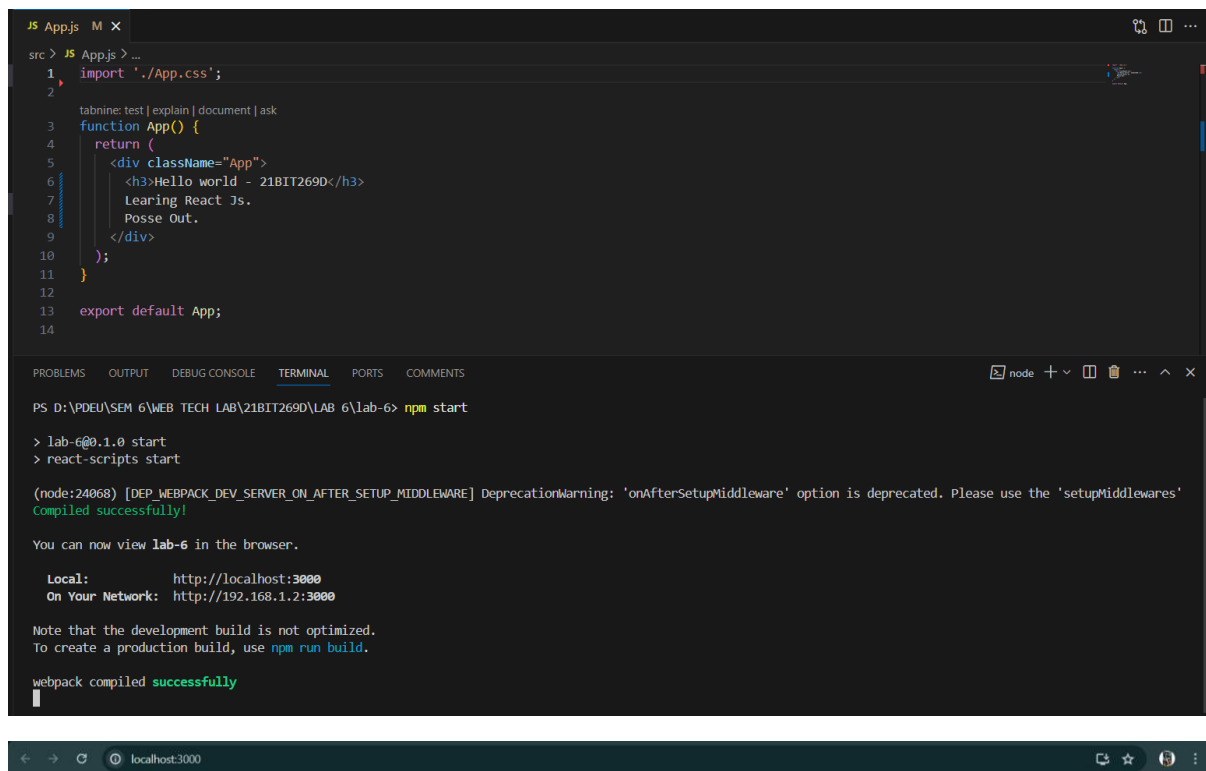
The code presents a basic React component using JSX, rendering "Hello World" within a element with specified inline styles.

```
JS App.js  M ✕

src > JS App.js > ...
  1   import './App.css';
  2
      tabnine: test | explain | document | ask
  3   function App() {
  4     return (
  5       <div className="App">
  6         <h3>Hello world - 21BIT269D</h3>
  7         Learing React Js.
  8         Posse Out.
  9       </div>
 10     );
 11   }
 12
 13   export default App;
 14
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   COMMENTS

PS D:\PDEU\SEM 6\WEB TECH LAB\21BIT269D\LAB 6\lab-6> npm start

> lab-6@0.1.0 start
> react-scripts start

(node:24068) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares'
Compiled successfully!

You can now view lab-6 in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.1.2:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

```
←  →  C  ⓘ  localhost:3000
```

Hello world - 21BIT269D

Learing React Js. Posse Out.

Discussions:

In this experiment, downloaded Node.js for React, configured the React framework using npm, understood React's folder structure, and developed a simple "Hello World Application" using React components and JSX syntax.