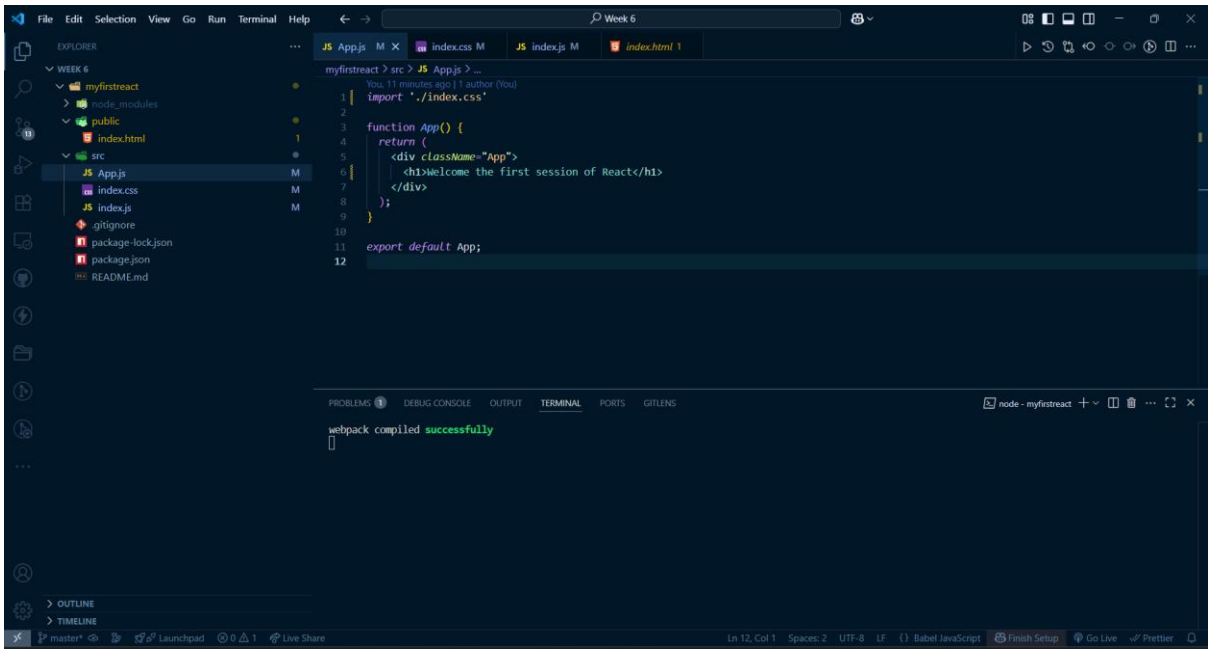
Week - 6

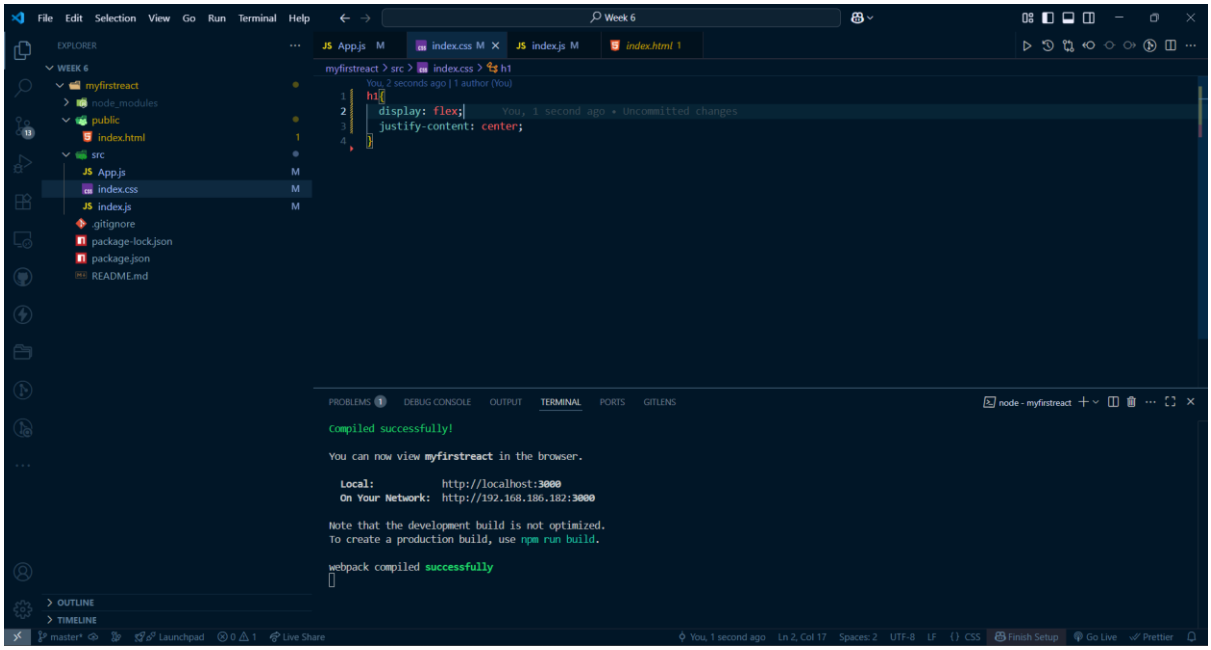
1. ReactJS-HOL

Create a new React Application with the name “myfirstreact”, Run the application to print “welcome to the first session of React” as heading of that page

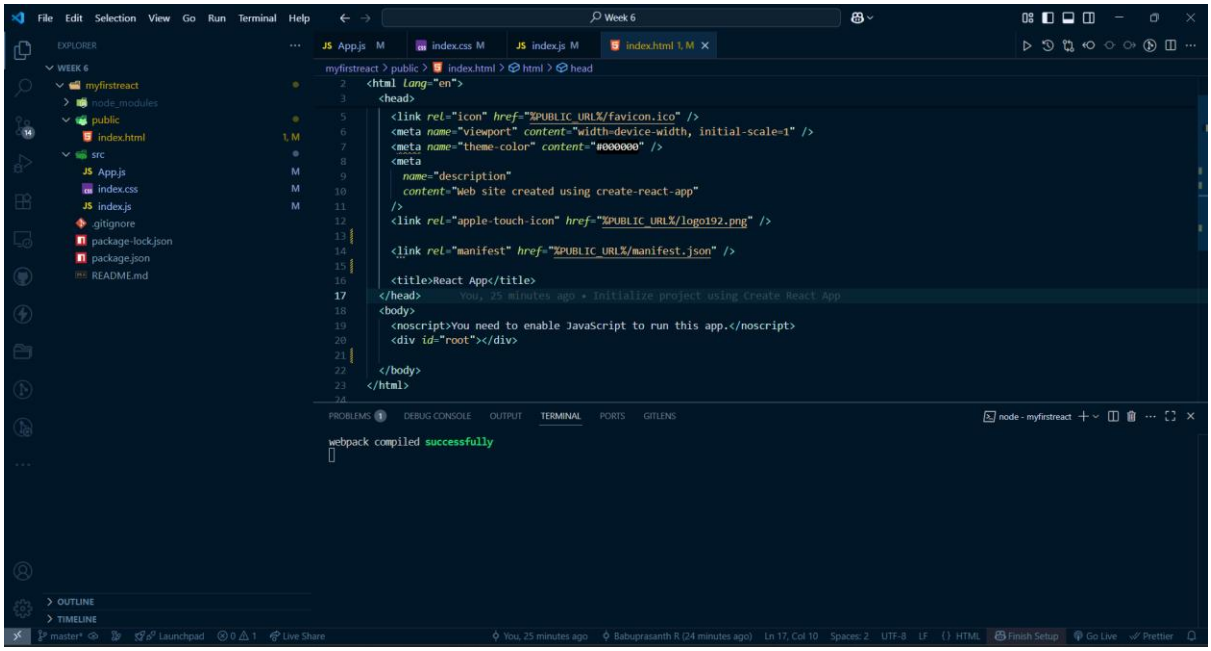
App.js



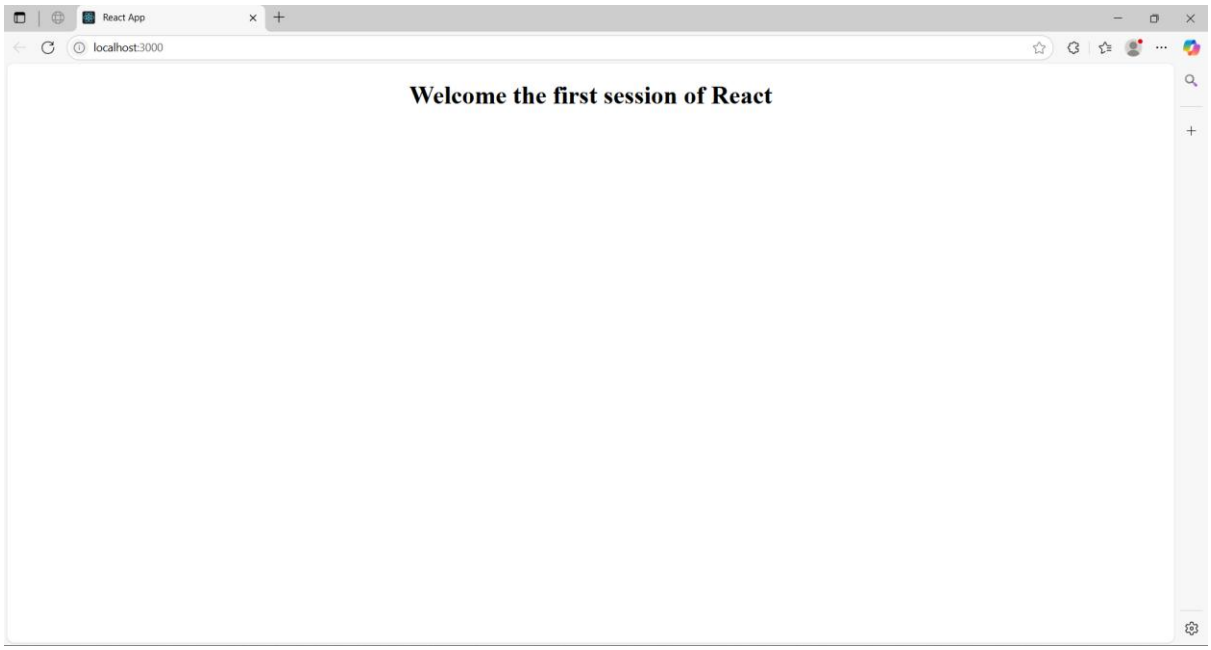
Index.css



Index.html



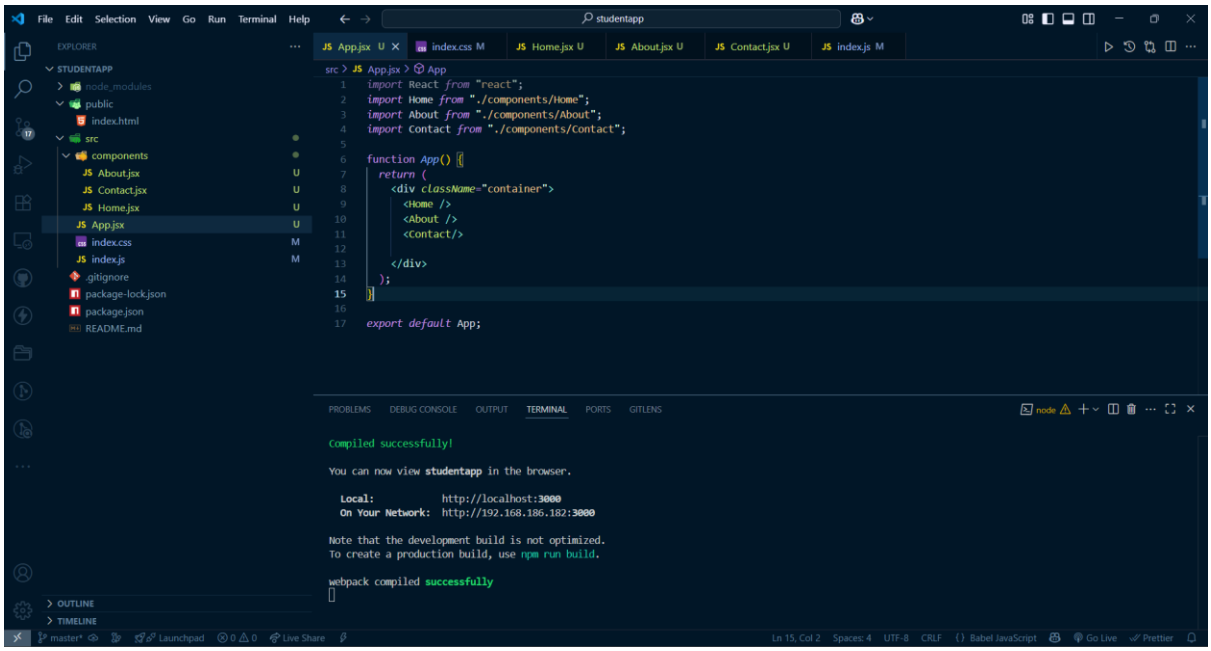
Output



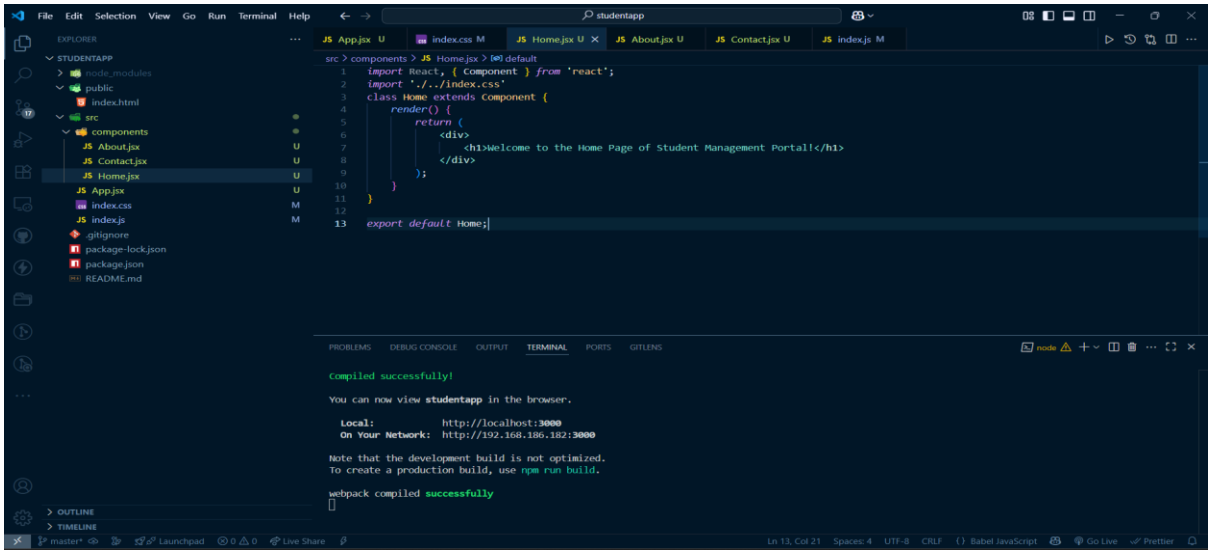
2. ReactJS-HOL

Create a react app for Student Management Portal named StudentApp and create a component named Home which will display the Message “Welcome to the Home page of Student Management Portal”. Create another component named About and display the Message “Welcome to the About page of the Student Management Portal”. Create a third component named Contact and display the Message “Welcome to the Contact page of the Student Management Portal”. Call all the three components

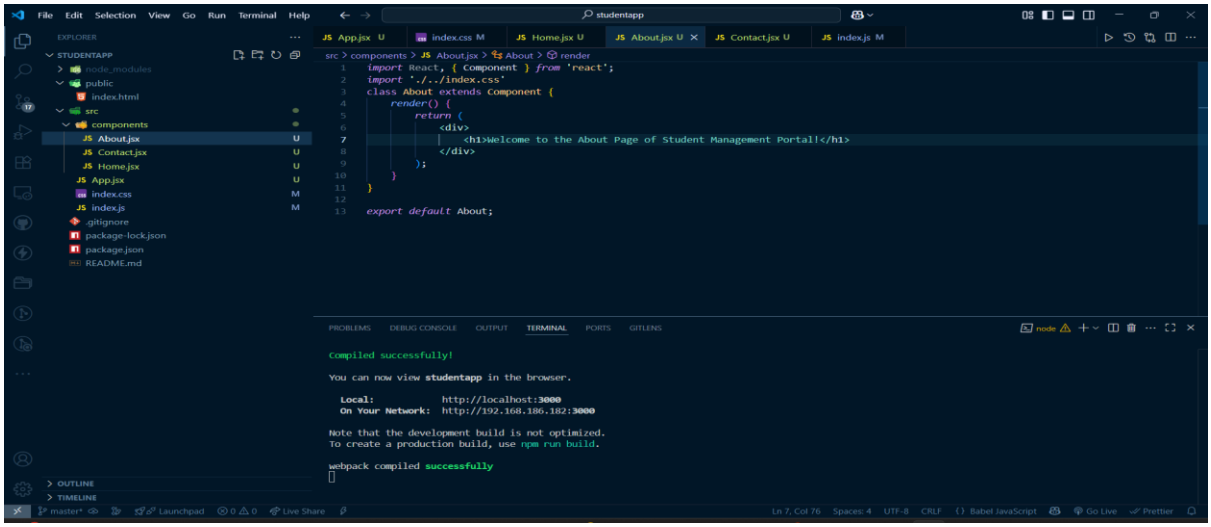
App.jsx



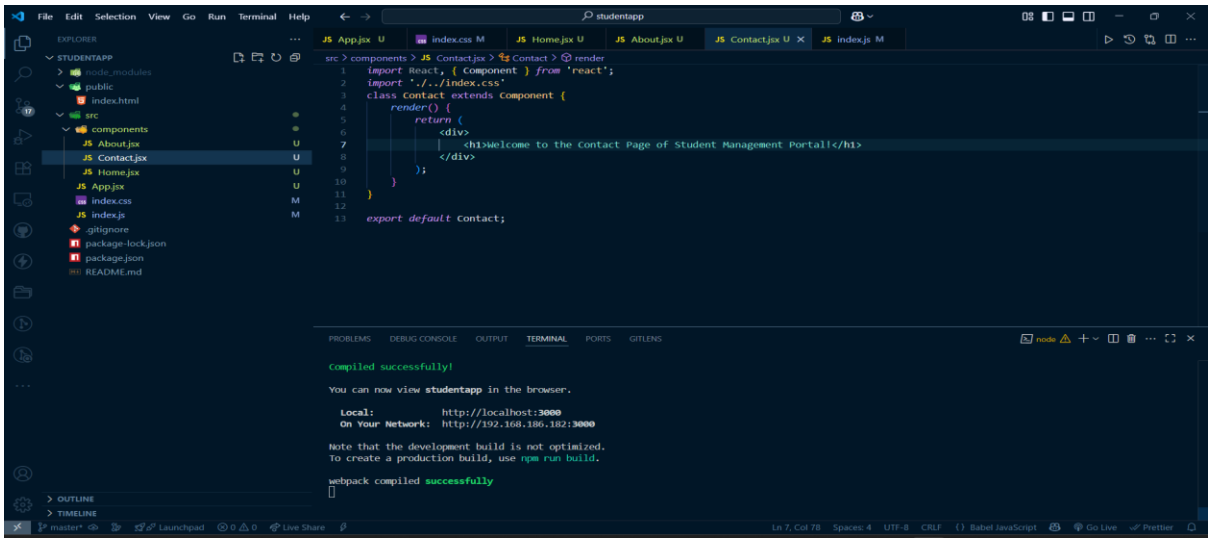
Component/Home.jsx



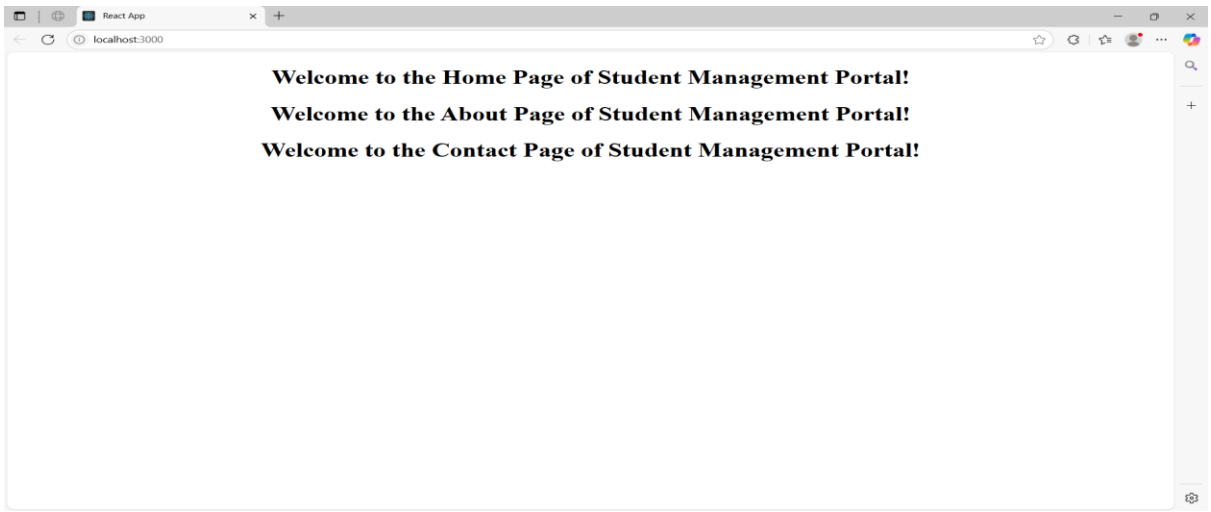
Component/About.jsx



Component/Contact.jsx



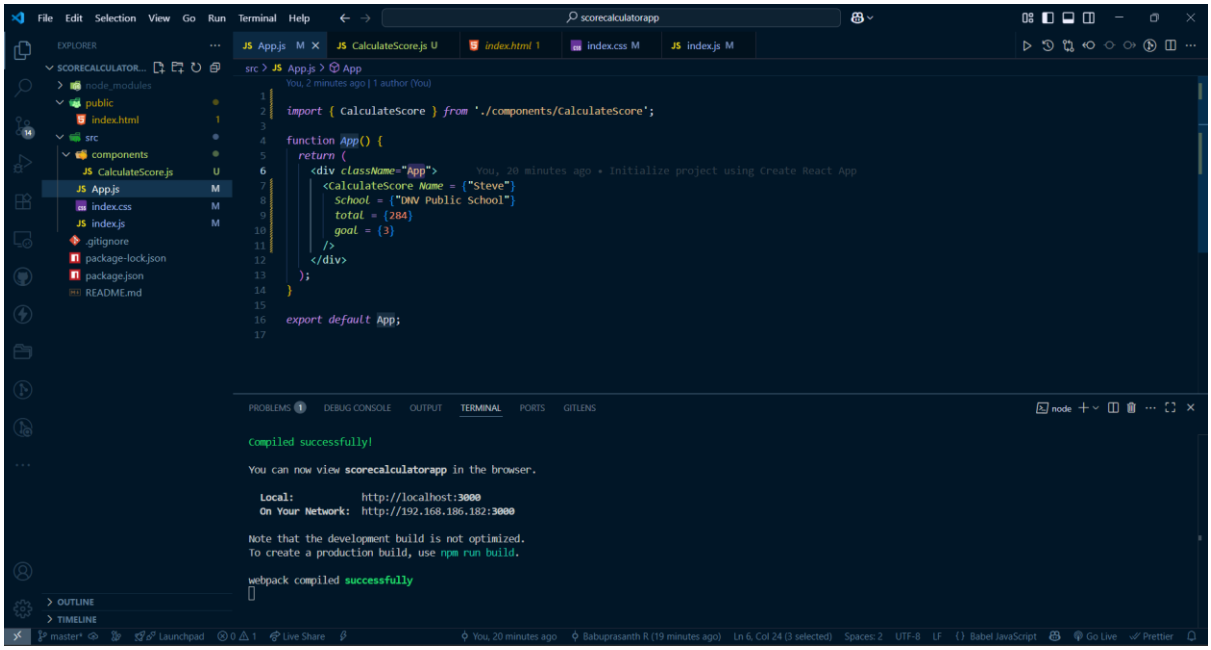
Output



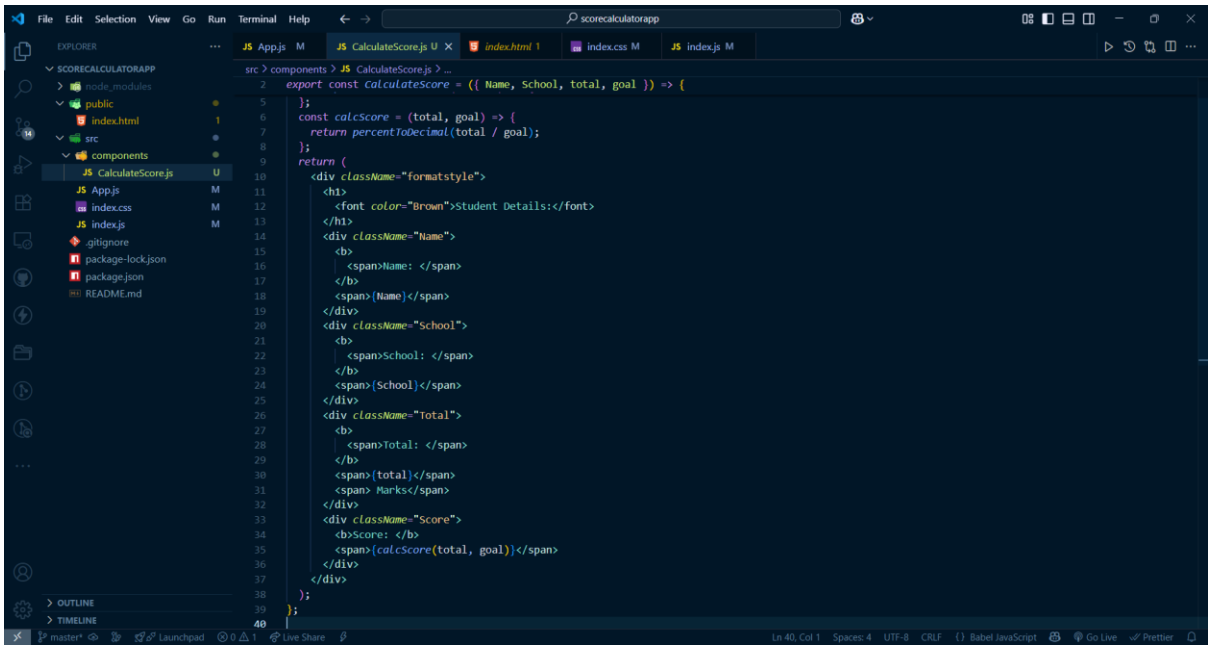
3. ReactJS-HOL

Create a react app for Student Management Portal named scorecalculatorapp and create a function component named “CalculateScore” which will accept Name, School, Total and goal in order to calculate the average score of a student and display the same**.**

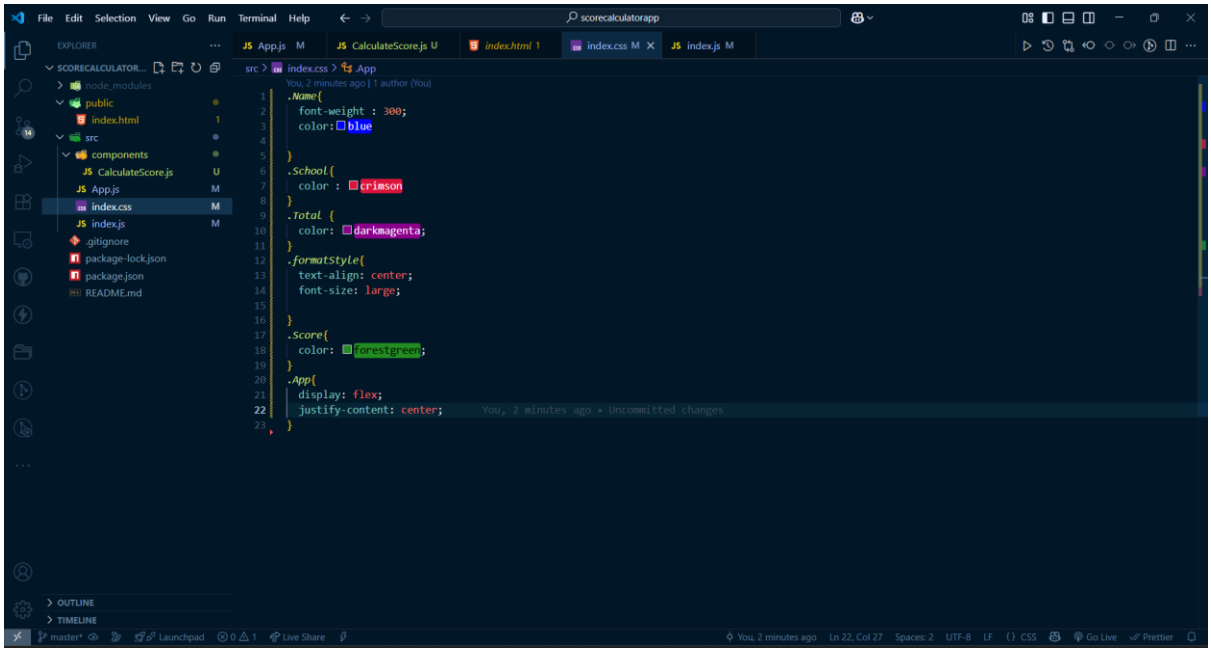
App.js



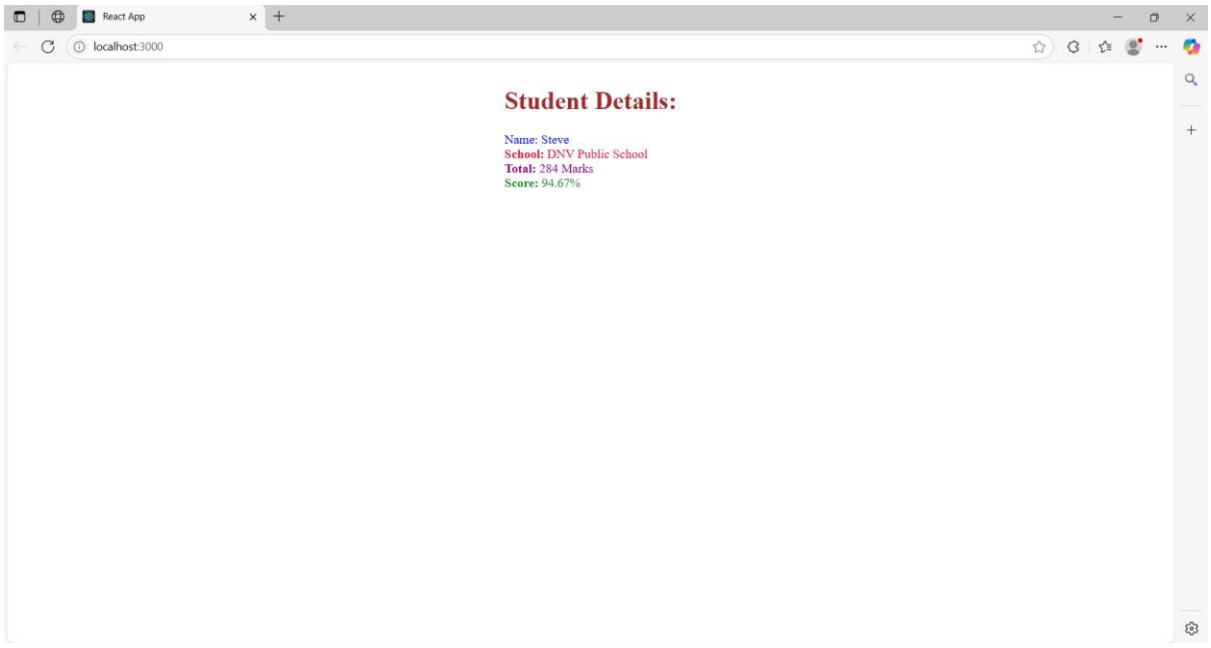
Components/CalculateScore.js



Index.css



Output

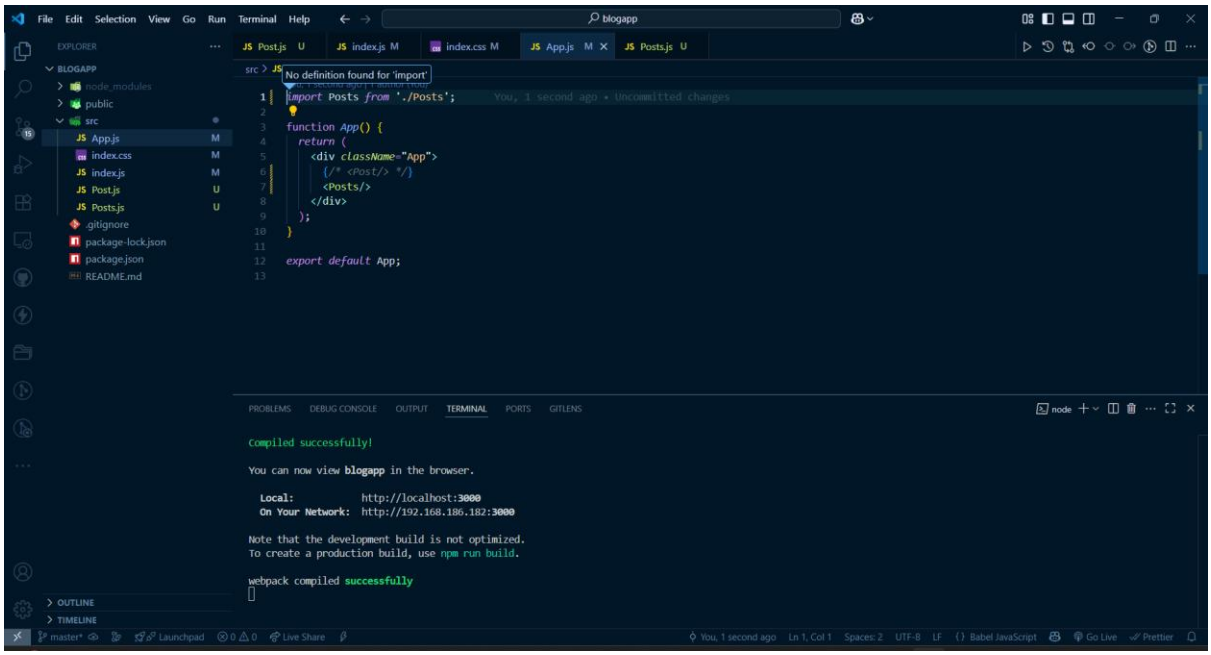


4. ReactJS-HOL

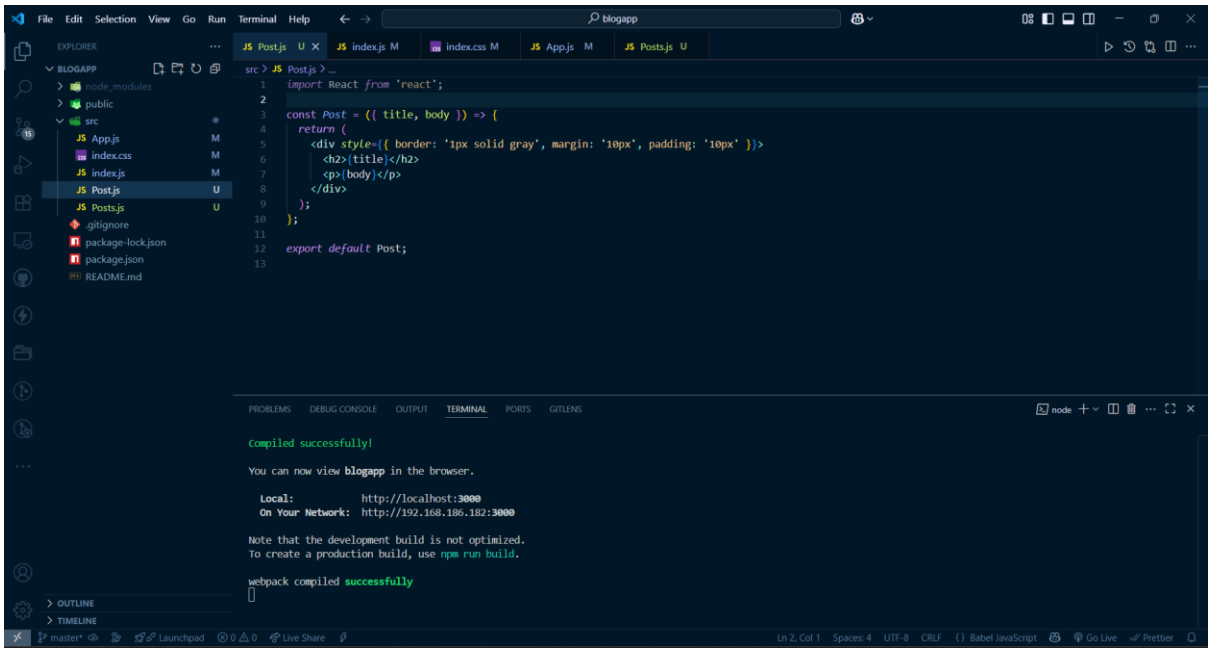
Implement componentDidMount() hook

Implementing componentDidCatch() life cycle hook.

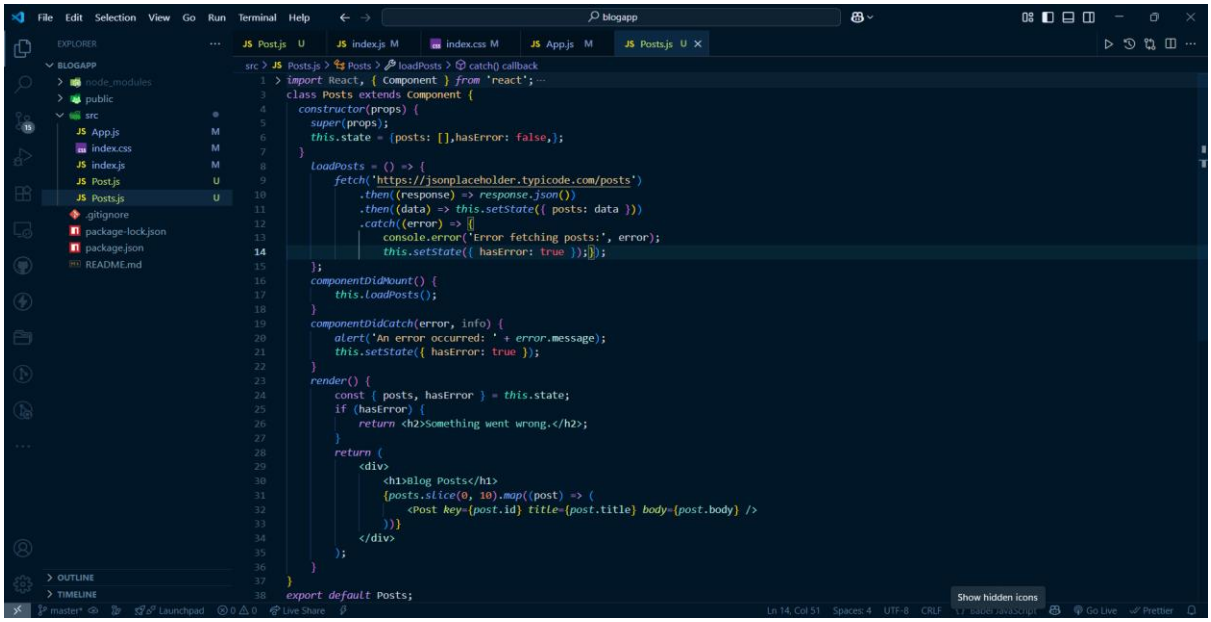
App.js



Post.js

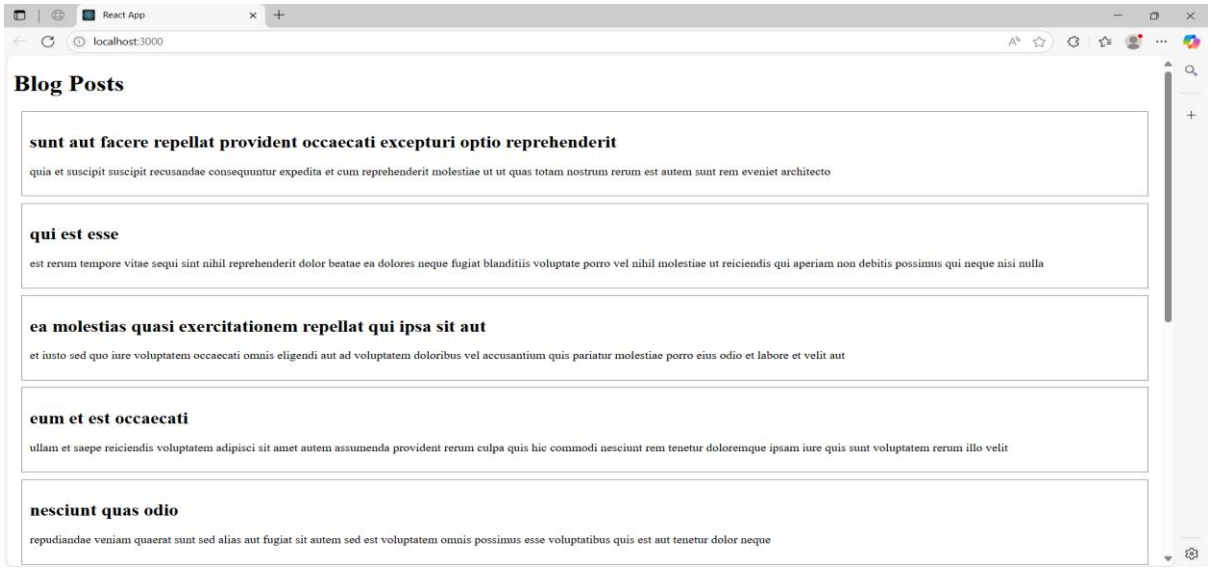


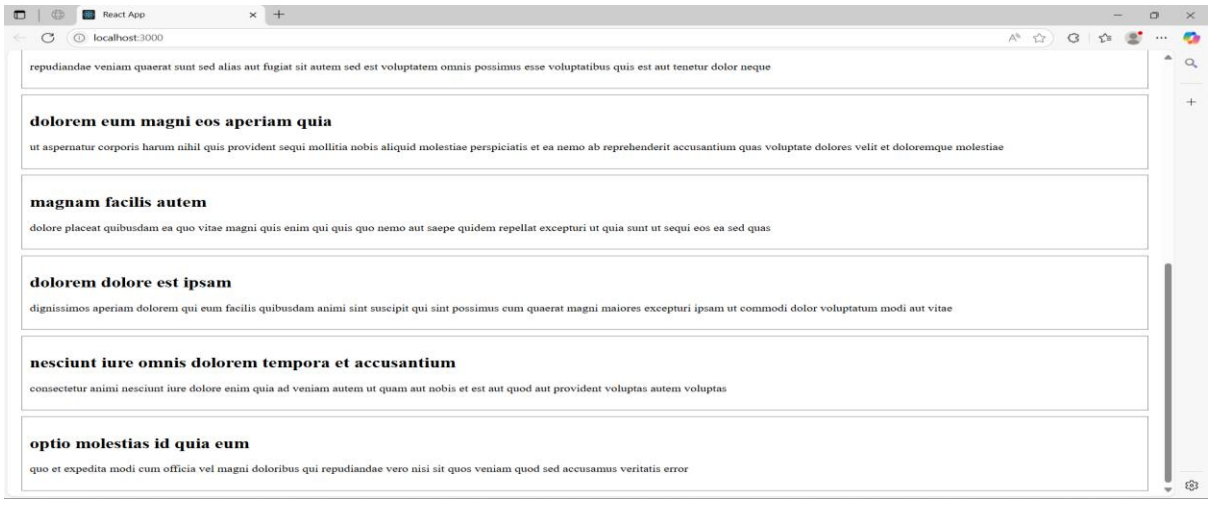
Posts.js



```
import React, { Component } from 'react';
class Posts extends Component {
  constructor(props) {
    super(props);
    this.state = {posts: [],hasError: false,};
  }
    loadPosts = () => {
        fetch('https://jsonplaceholder.typicode.com/posts')
            .then((response) => response.json())
            .then((data) => this.setState({ posts: data }))
            .catch((error) => {
                console.error('Error fetching posts:', error);
                this.setState({ hasError: true });});
    };
    componentDidMount() {
        this.loadPosts();
    }
    componentDidCatch(error, info) {
        alert('An error occurred: ' + error.message);
        this.setstate({ hasError: true });
    }
    render() {
        const { posts, hasError } = this.state;
        if (hasError) {
            return <h2>Something went wrong.</h2>;
        }
        return (
            <div>
                <h1>Blog Posts</h1>
                {posts.slice(0, 10).map((post) => (
                    <Post key={post.id} title={post.title} body={post.body} />
                ))}
            </div>
        );
    }
}
export default Posts;
```

Output





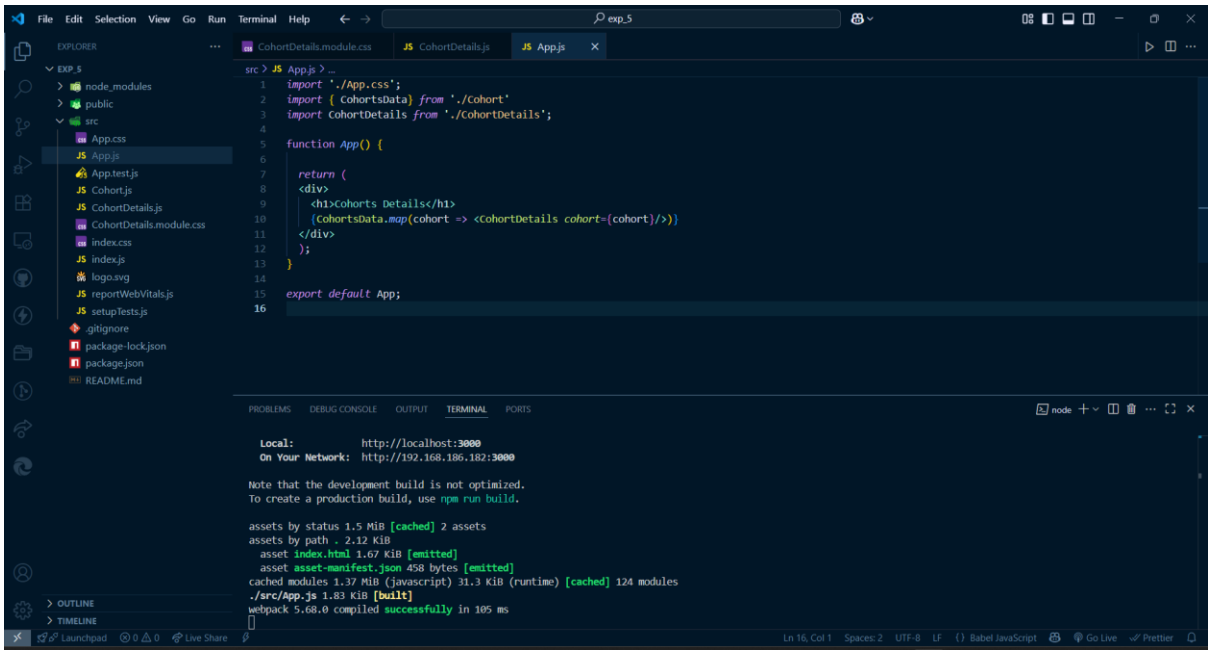
5. ReactJS-HOL

Style a react component

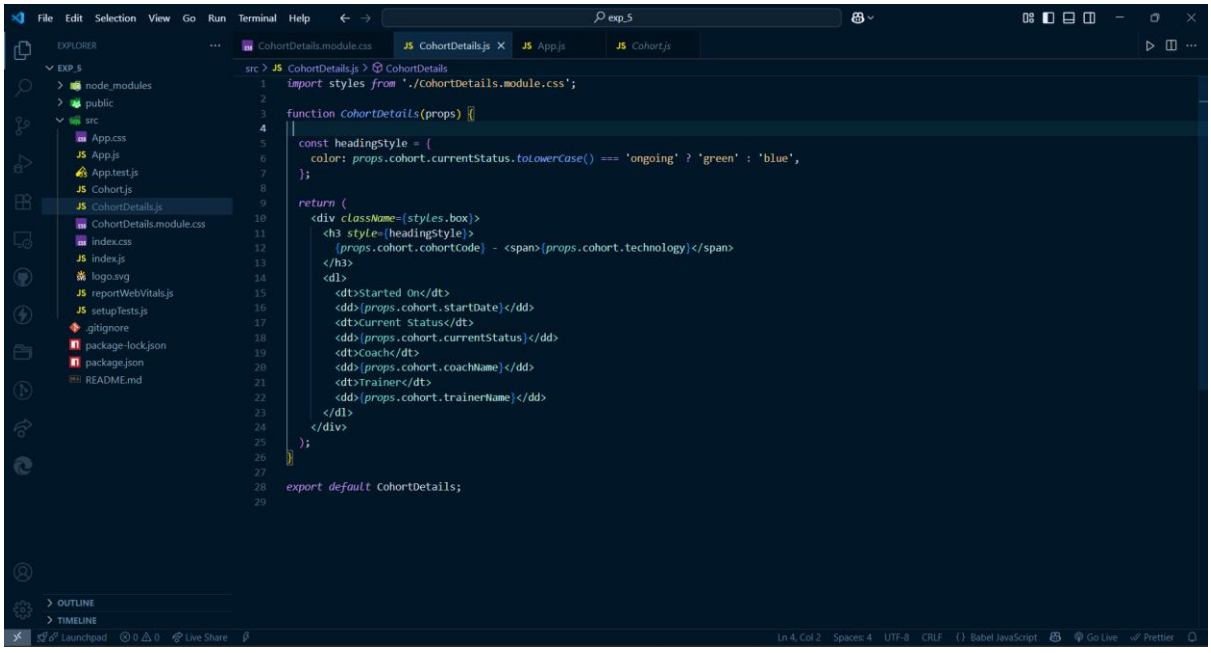
Define styles using the CSS Module

Apply styles to components using className and style properties

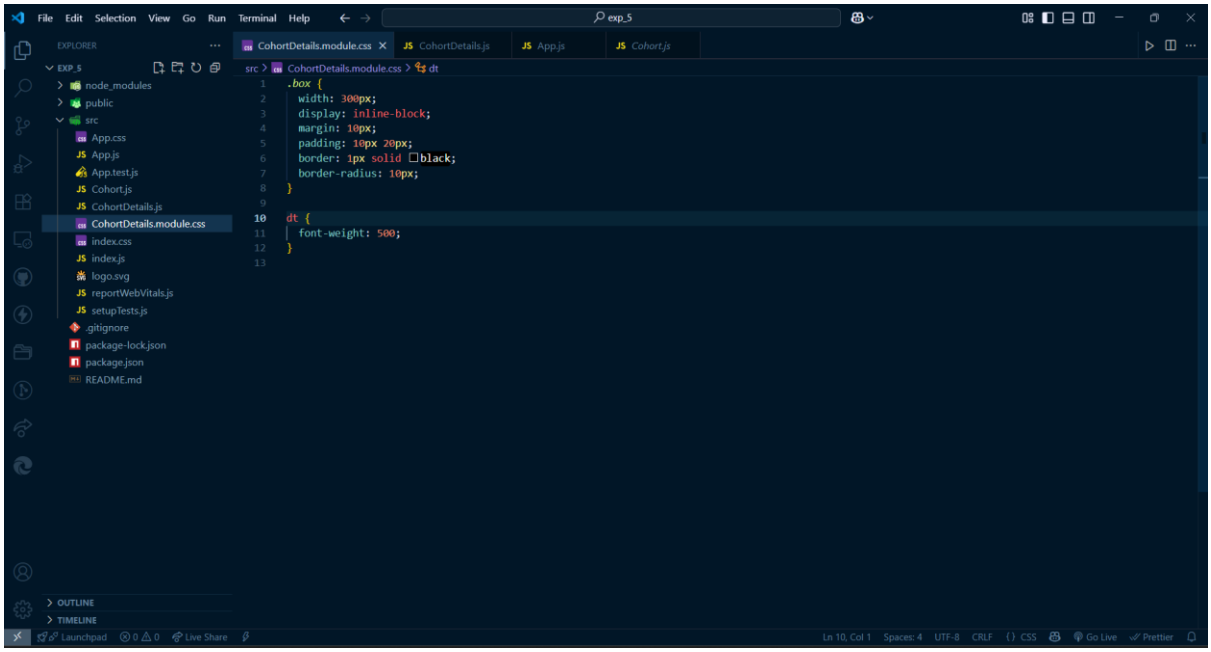
App.js



CohortDetails.js



CohortDetails.module.css



Output