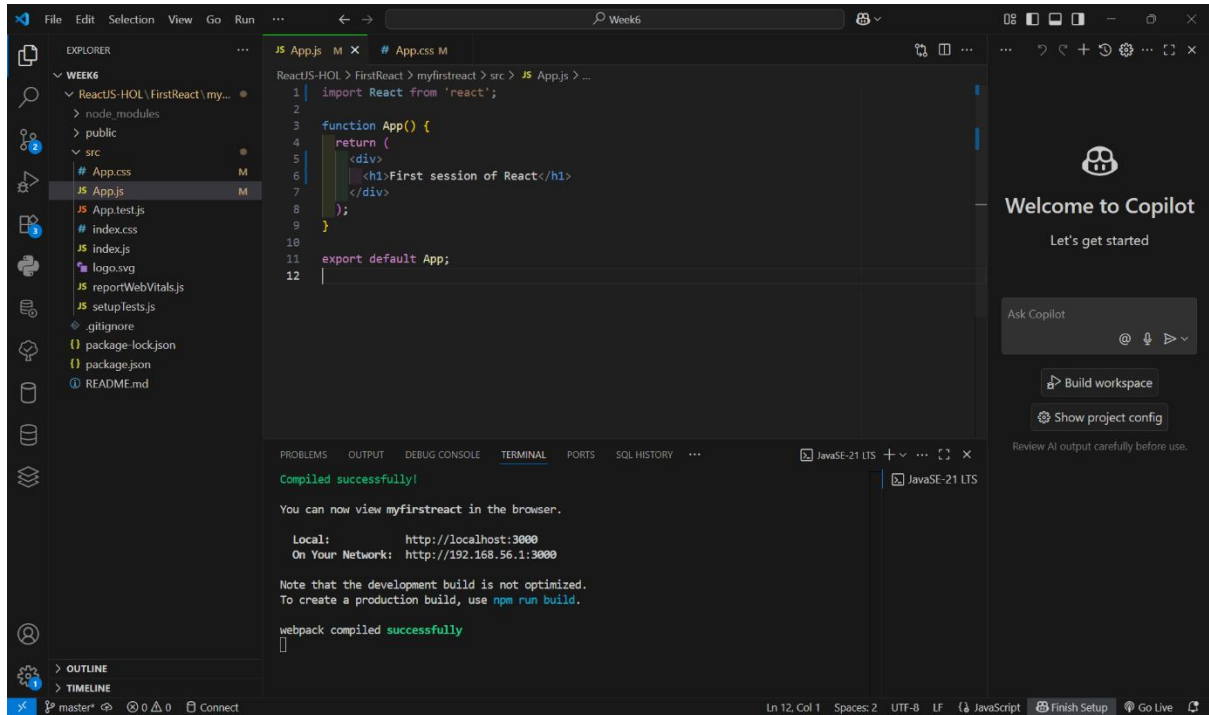


Week 6

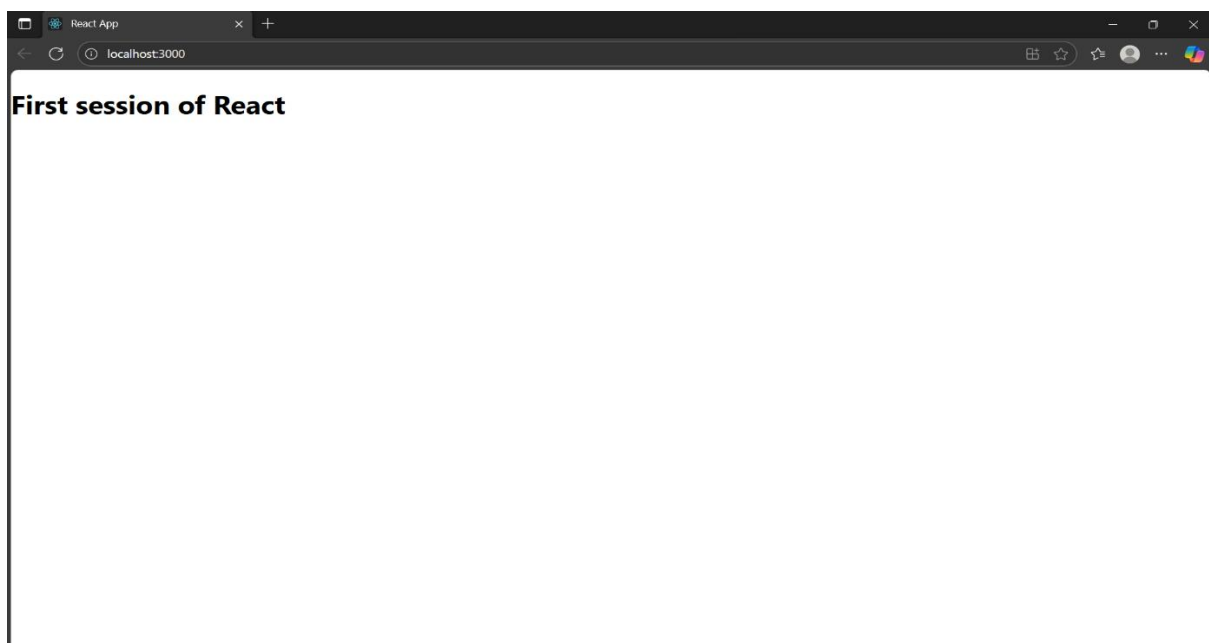
ReactJS-HOL

1. First React

App.js Code

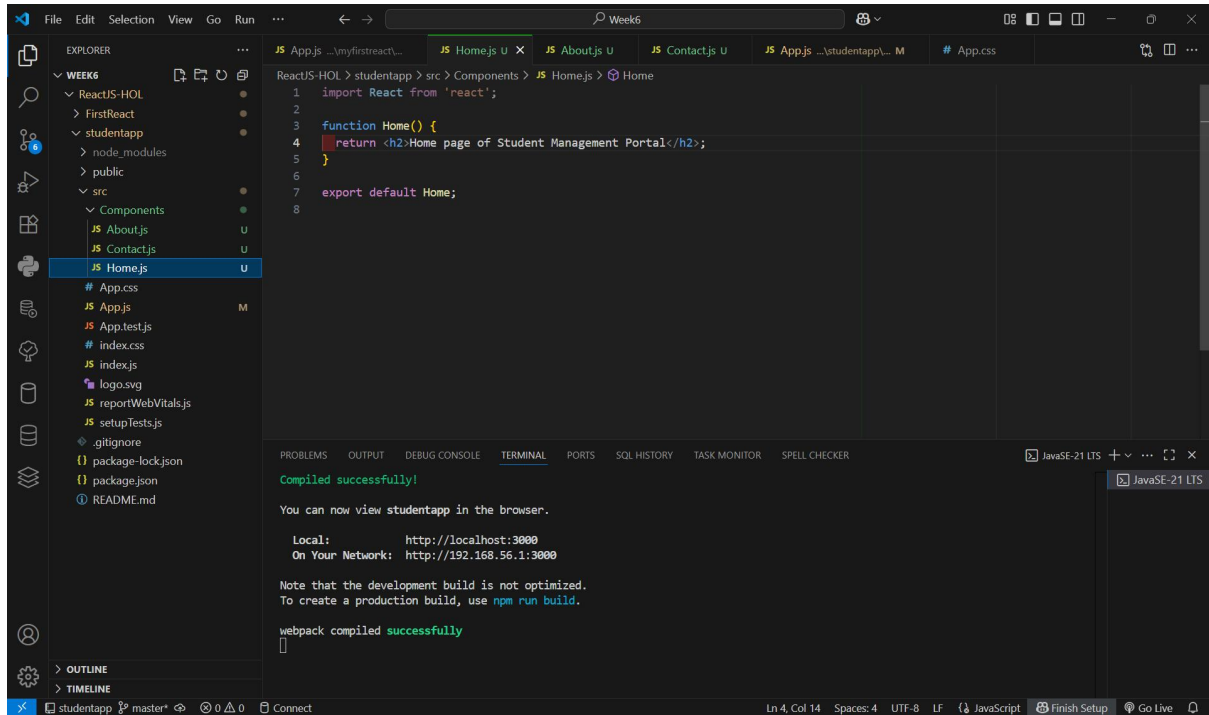


Code



2. Student App

Home.js Code



The screenshot shows the Visual Studio Code editor with the 'Home.js' file open in the 'src > Components' directory. The code defines a React component named 'Home'. The terminal at the bottom shows the successful compilation of the application, indicating it is running on localhost:3000.

```
1 import React from 'react';
2
3 function Home() {
4   return <h2>Home page of Student Management Portal</h2>;
5 }
6
7 export default Home;
```

Compiled successfully!

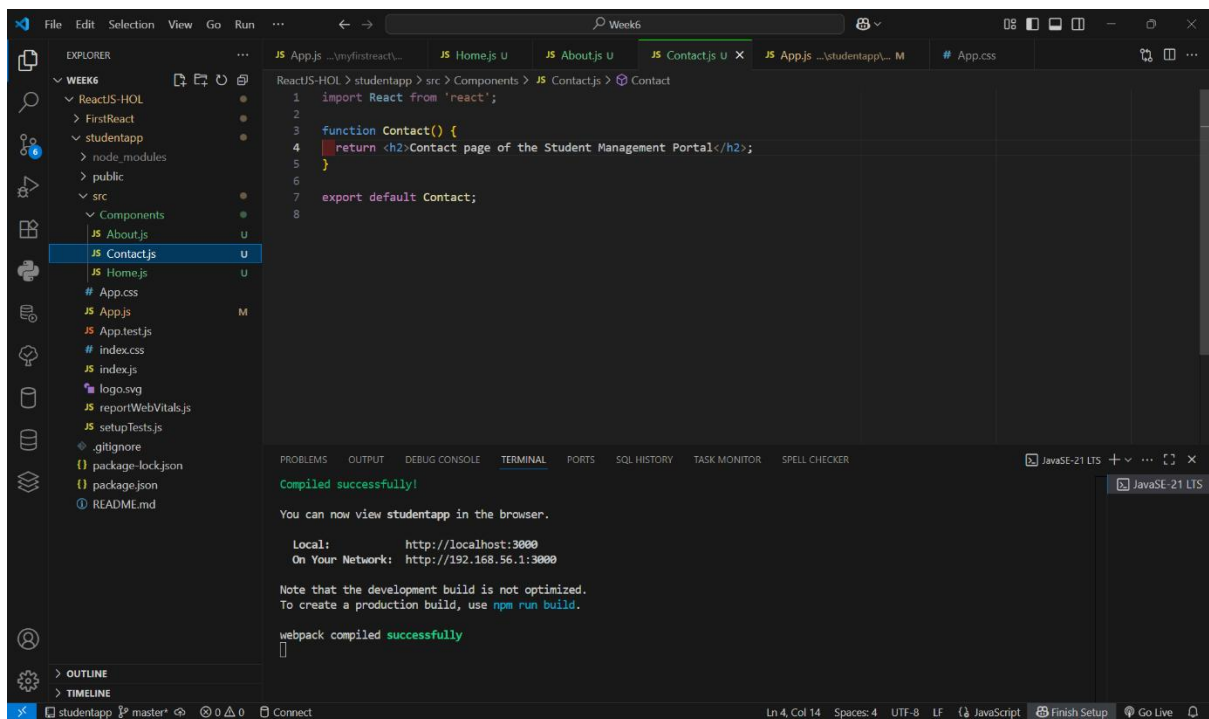
You can now view studentapp in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

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

webpack compiled successfully

Contact.js Code



The screenshot shows the Visual Studio Code editor with the 'Contact.js' file open in the 'src > Components' directory. The code defines a React component named 'Contact'. The terminal at the bottom shows the successful compilation of the application, indicating it is running on localhost:3000.

```
1 import React from 'react';
2
3 function Contact() {
4   return <h2>Contact page of the Student Management Portal</h2>;
5 }
6
7 export default Contact;
```

Compiled successfully!

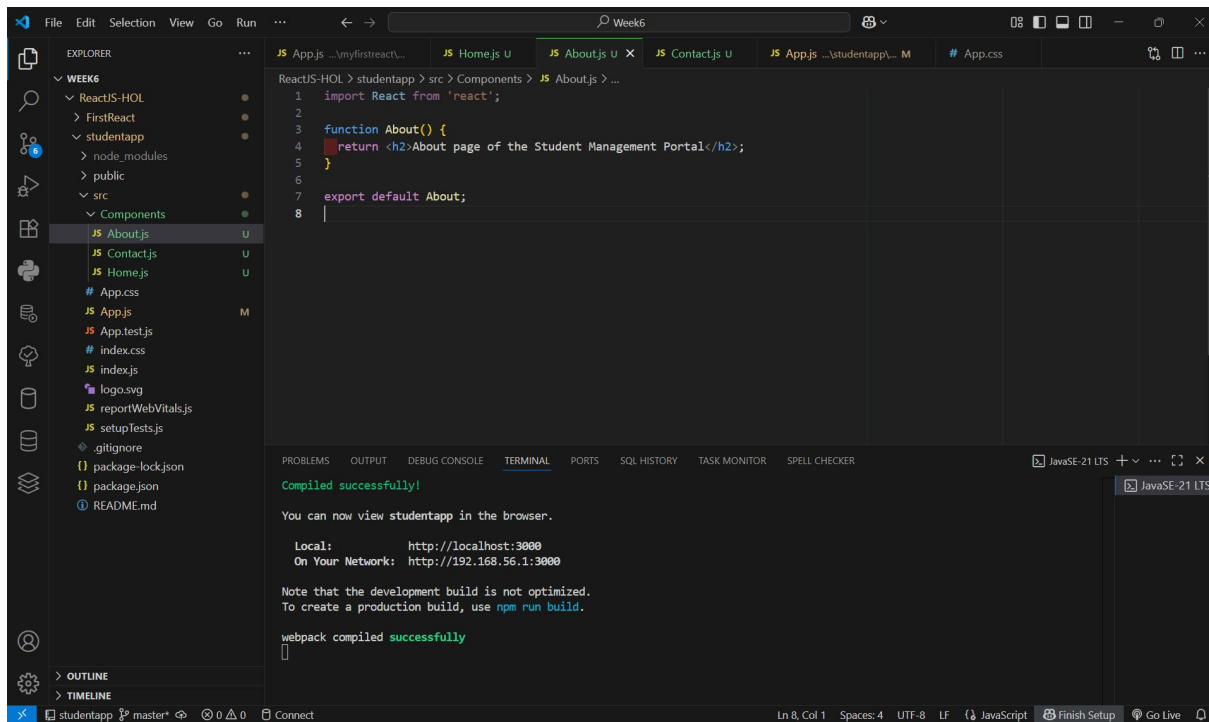
You can now view studentapp in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

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

webpack compiled successfully

About.js Code



```
1 import React from 'react';
2
3 function About() {
4   return <h2>About page of the Student Management Portal</h2>;
5 }
6
7 export default About;
8
```

Compiled successfully!

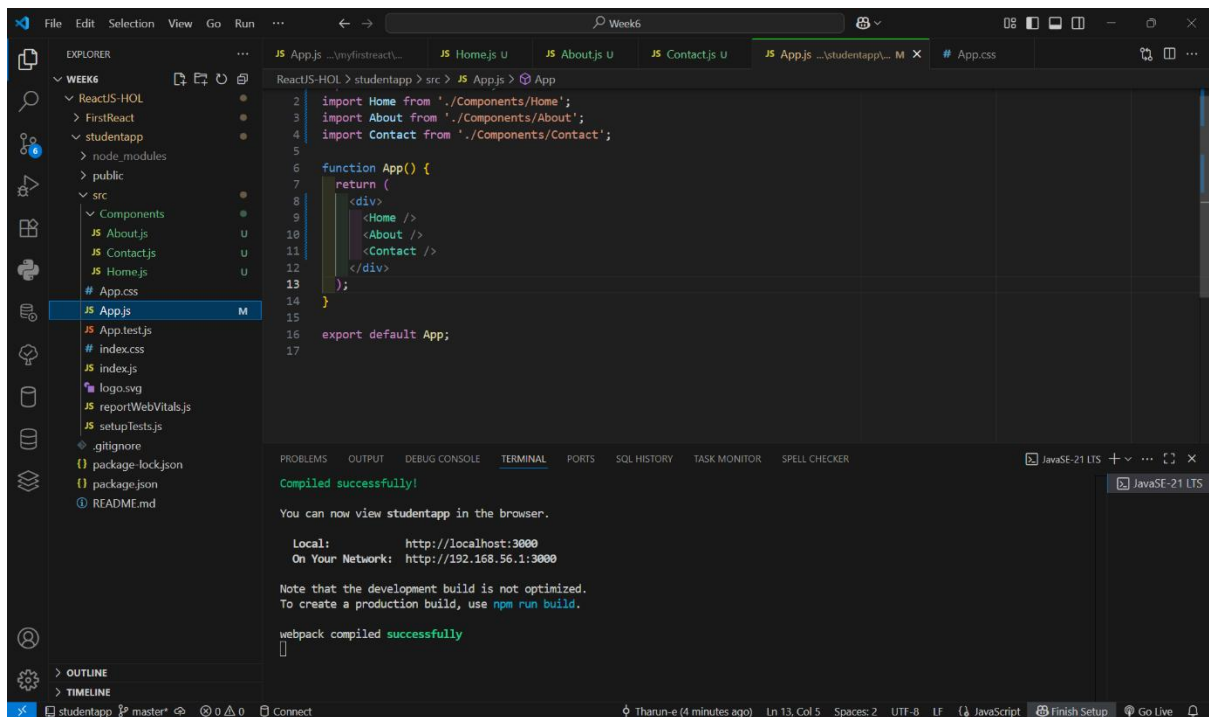
You can now view studentapp in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

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

webpack compiled successfully

App.js Code



```
2 import Home from './Components/Home';
3 import About from './Components/About';
4 import Contact from './Components/Contact';
5
6 function App() {
7   return (
8     <div>
9       <Home />
10      <About />
11      <Contact />
12    </div>
13  );
14 }
15
16 export default App;
17
```

Compiled successfully!

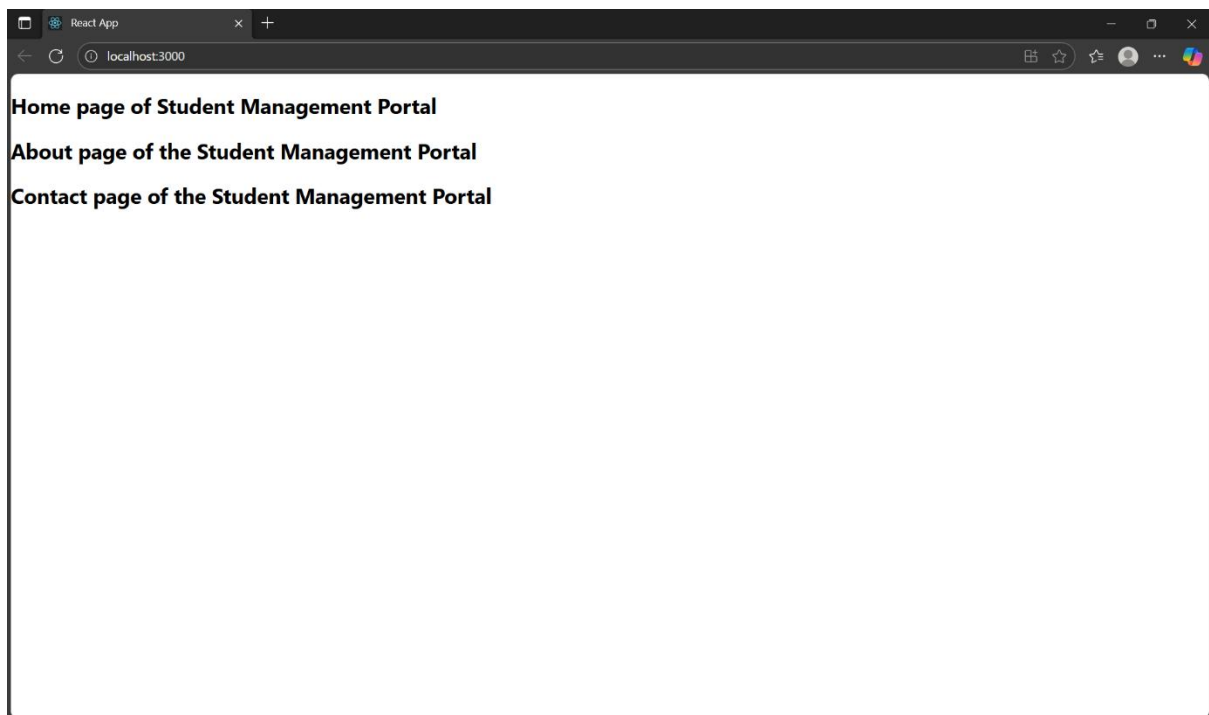
You can now view studentapp in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

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

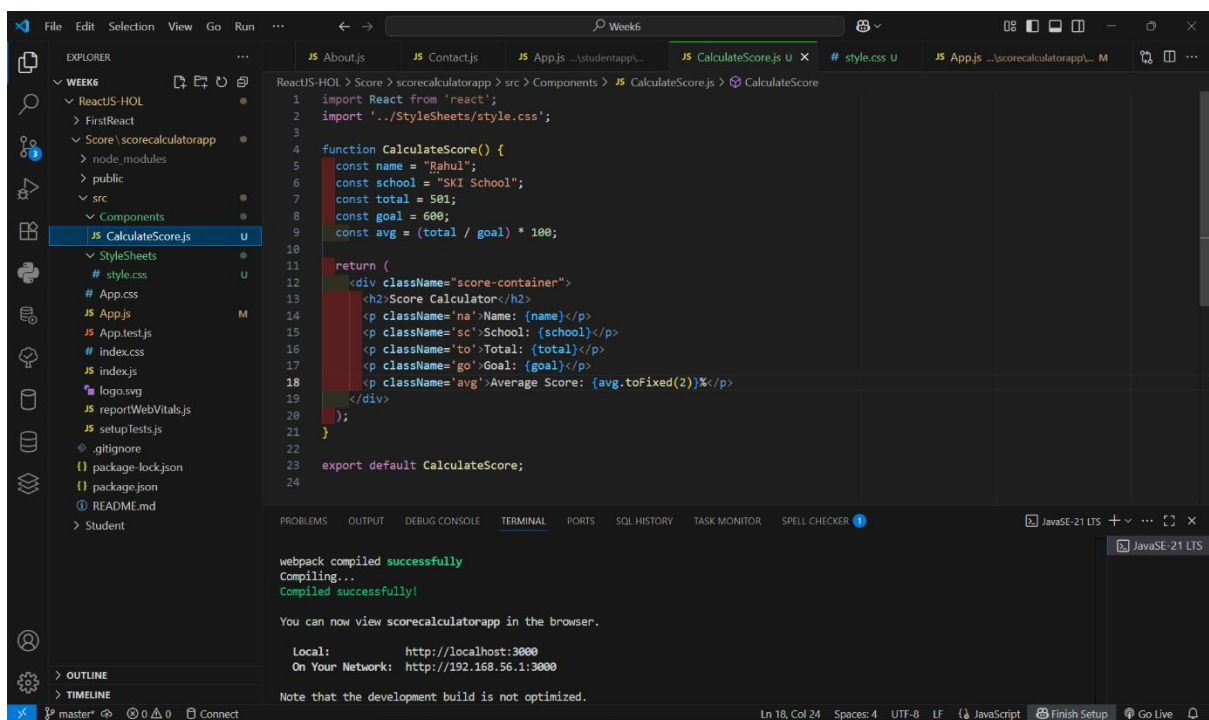
webpack compiled successfully

Output

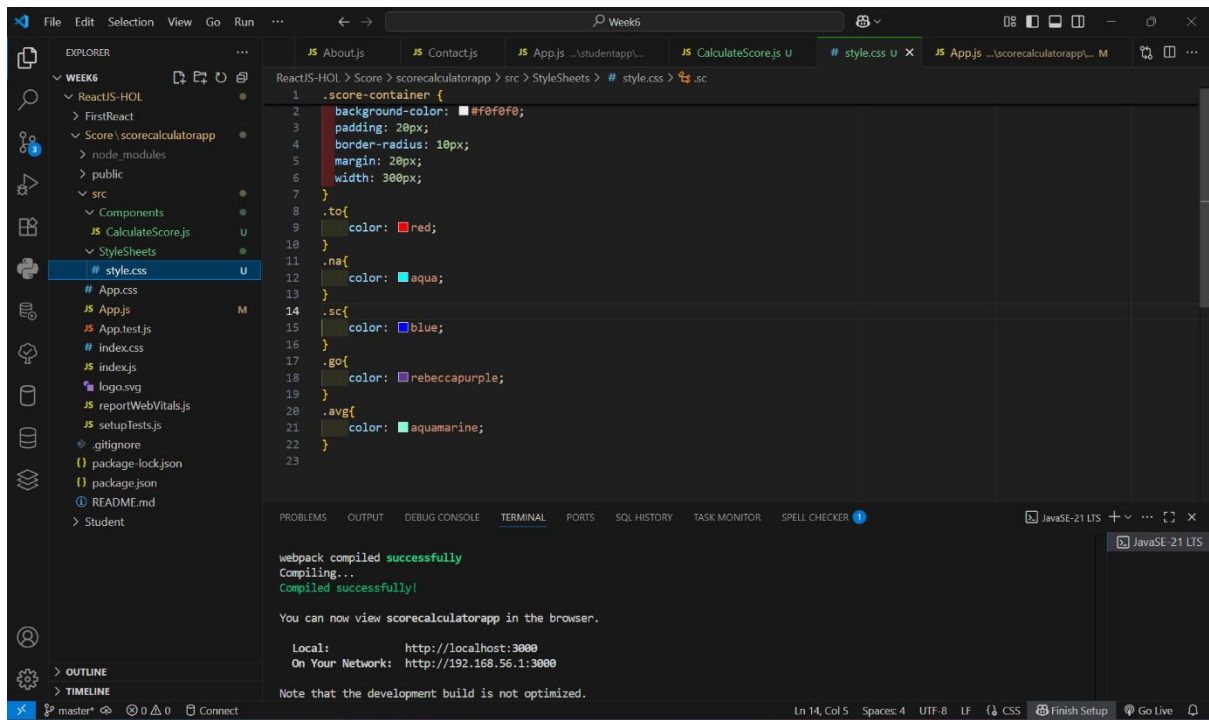


3. Score Calculator App

CalculateScore.js



Style.css Code



The screenshot shows the Visual Studio Code editor with the `style.css` file open. The file contains the following CSS code:

```
1 .score-container {
2   background-color: #f0f0f0;
3   padding: 20px;
4   border-radius: 10px;
5   margin: 20px;
6   width: 300px;
7 }
8 .to{
9   color: red;
10 }
11 .na{
12   color: aqua;
13 }
14 .sc{
15   color: blue;
16 }
17 .go{
18   color: rebeccapurple;
19 }
20 .avg{
21   color: aquamarine;
22 }
23
```

The terminal at the bottom shows the following output:

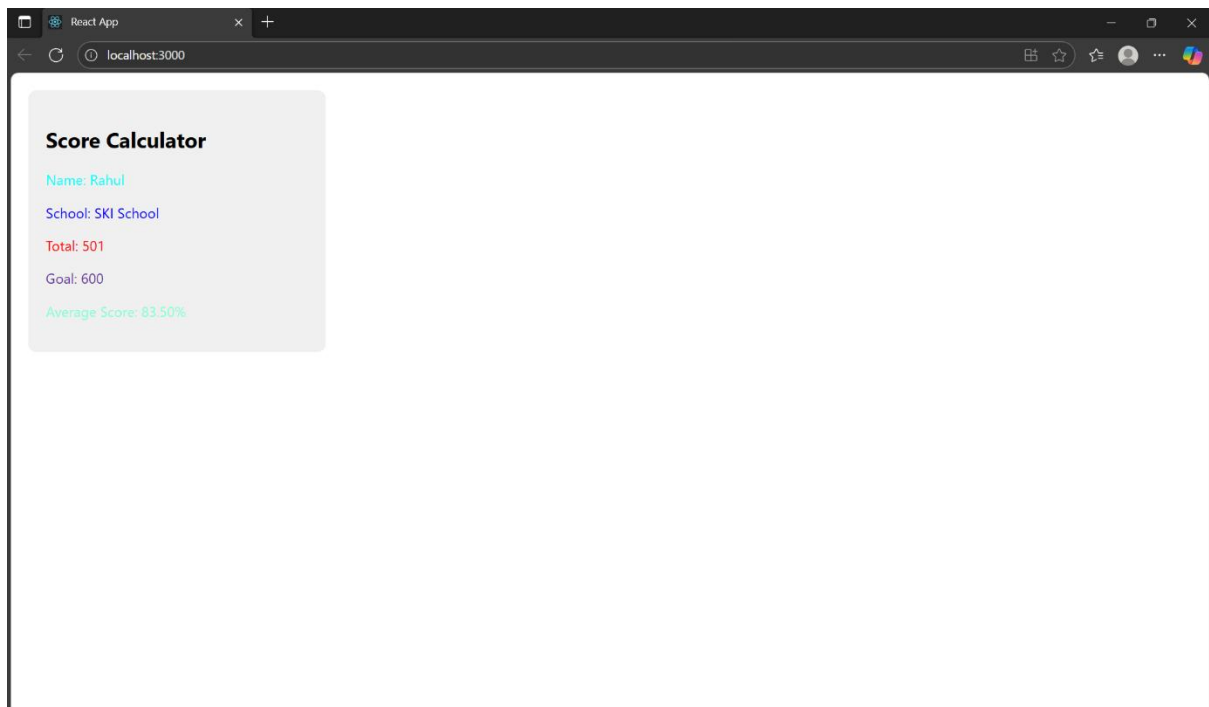
```
webpack compiled successfully
Compiling...
Compiled successfully!

You can now view scorecalculatorapp in the browser.

Local:    http://localhost:3000
On Your Network:  http://192.168.56.1:3000

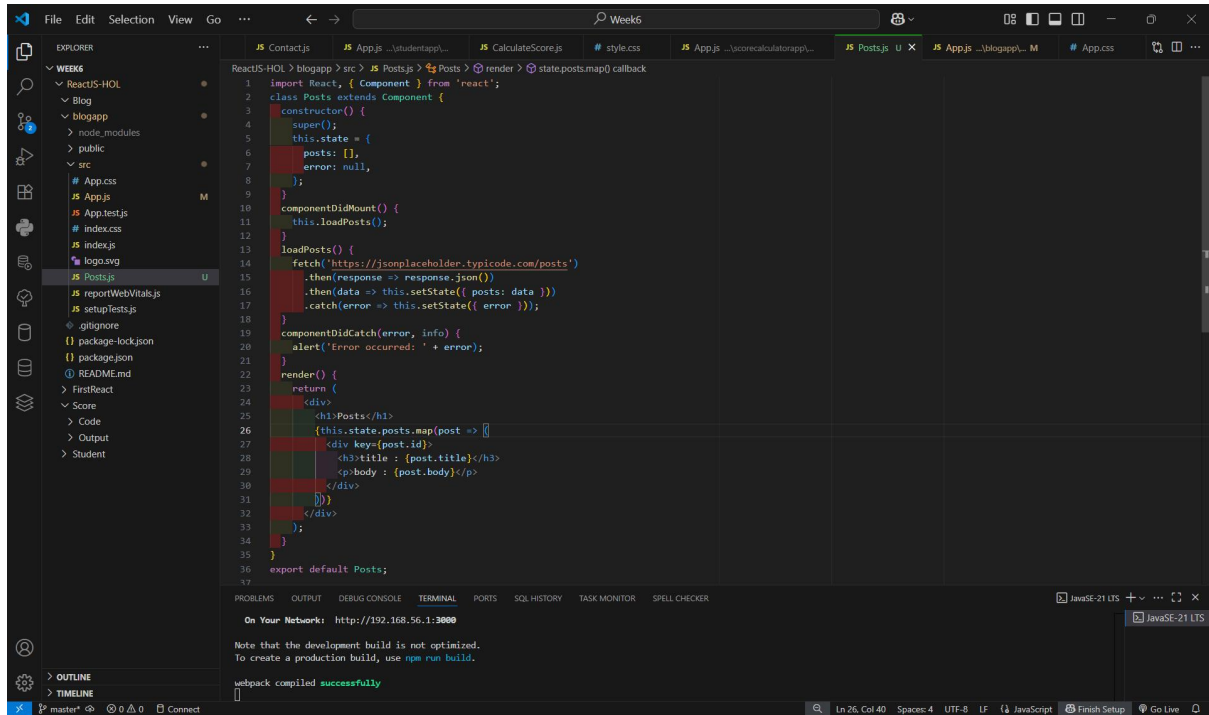
Note that the development build is not optimized.
```

Output



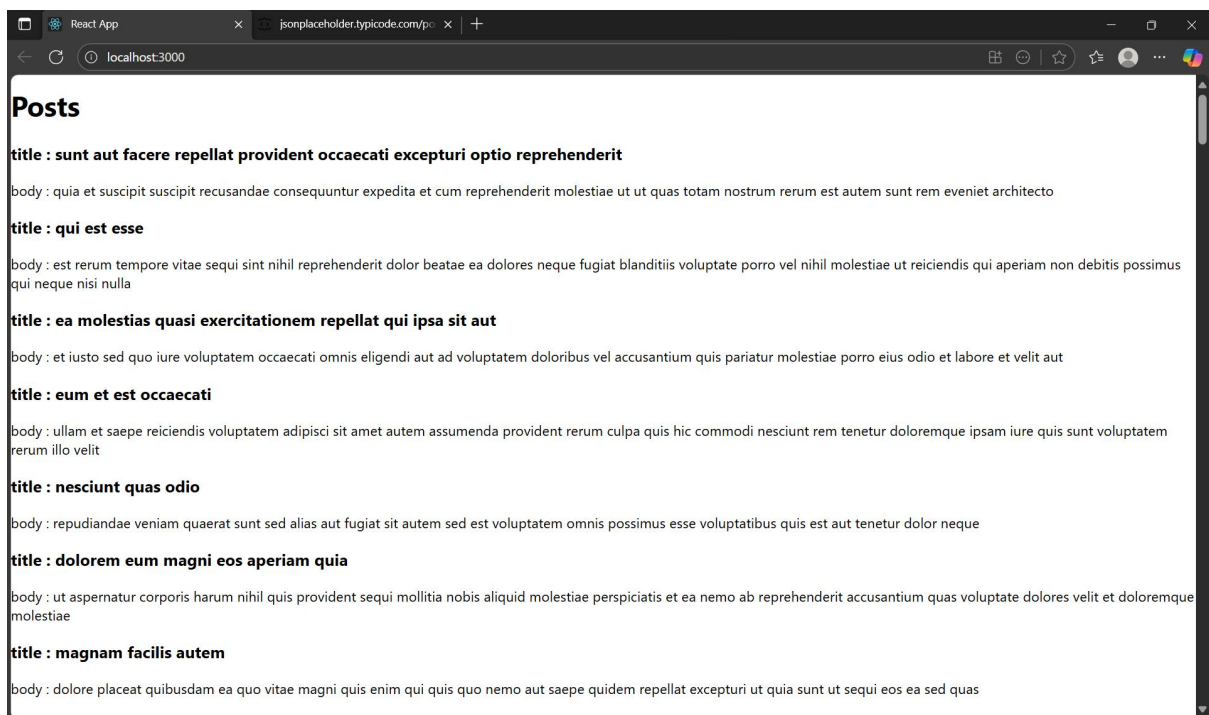
4. Blog App

Posts.js Code



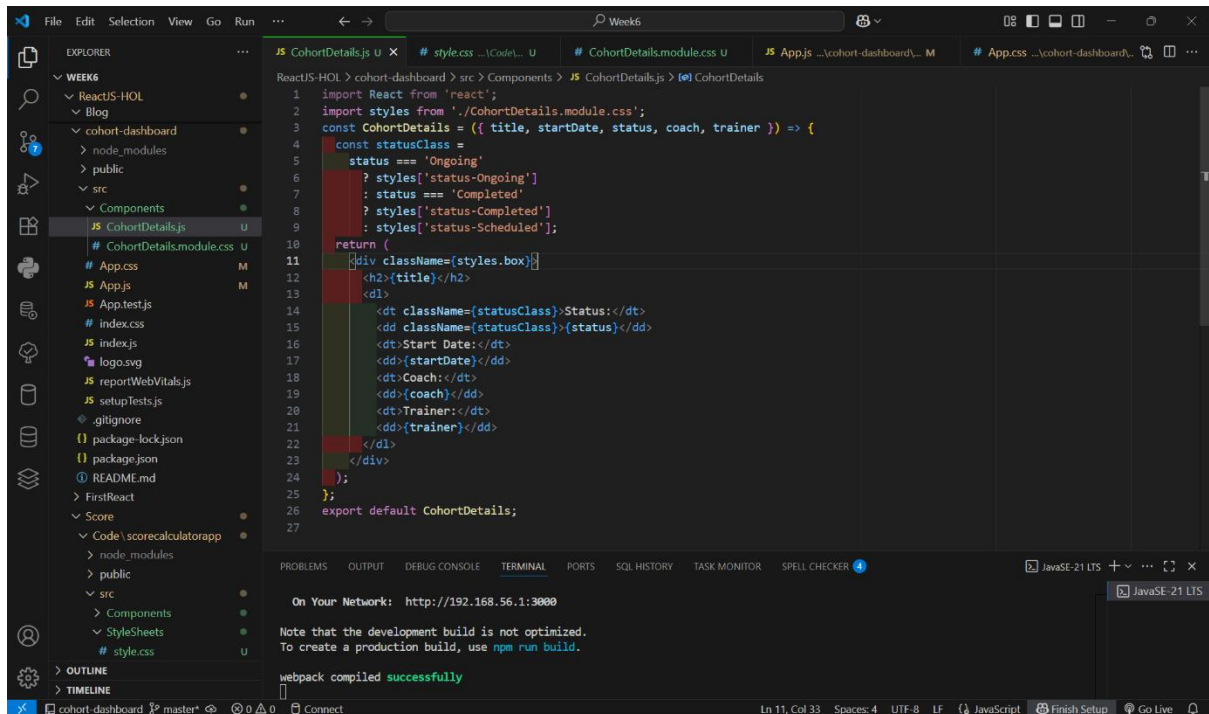
```
1 import React, { Component } from 'react';
2 class Posts extends Component {
3   constructor() {
4     super();
5     this.state = {
6       posts: [],
7       error: null,
8     };
9   }
10  componentDidMount() {
11    this.loadPosts();
12  }
13  loadPosts() {
14    fetch('https://jsonplaceholder.typicode.com/posts')
15      .then(response => response.json())
16      .then(data => this.setState({ posts: data }))
17      .catch(error => this.setState({ error }));
18  }
19  componentDidCatch(error, info) {
20    alert('Error occurred: ' + error);
21  }
22  render() {
23    return (
24      <div>
25        <h1>Posts</h1>
26        {this.state.posts.map(post => (
27          <div key={post.id}>
28            <h3>title : {post.title}</h3>
29            <p>body : {post.body}</p>
30          </div>
31        ))}
32      </div>
33    );
34  }
35 }
36 export default Posts;
```

Output



5. Cohort

CohorDetails.js



The screenshot shows the VS Code editor with the file `CohorDetails.js` open. The code defines a `CohortDetails` component that takes `title`, `startDate`, `status`, `coach`, and `trainer` as props. It uses conditional class names to display the status and renders a table with details. The terminal at the bottom shows the development server running on `http://192.168.56.1:3000` and a successful webpack compilation.

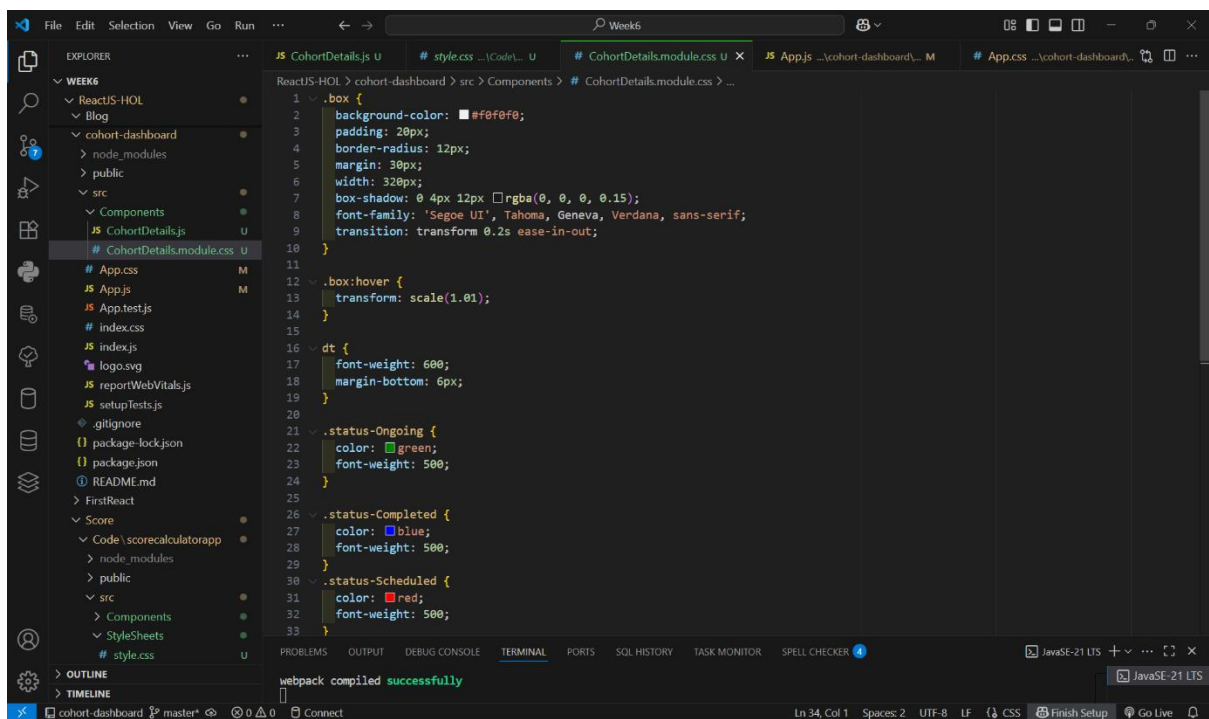
```
1 import React from 'react';
2 import styles from './CohortDetails.module.css';
3 const CohortDetails = ({ title, startDate, status, coach, trainer }) => {
4   const statusClass =
5     status === 'Ongoing'
6       ? styles['status-Ongoing']
7       : status === 'Completed'
8         ? styles['status-Completed']
9         : styles['status-Scheduled'];
10  return (
11    <div className={styles.box}>
12      <h2>{title}</h2>
13      <dl>
14        <dt className={statusClass}>Status:</dt>
15        <dd className={statusClass}>{status}</dd>
16        <dt>Start Date:</dt>
17        <dd>{startDate}</dd>
18        <dt>Coach:</dt>
19        <dd>{coach}</dd>
20        <dt>Trainer:</dt>
21        <dd>{trainer}</dd>
22      </dl>
23    </div>
24  );
25 };
26 export default CohortDetails;
```

On Your Network: `http://192.168.56.1:3000`

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

webpack compiled successfully

CohorDetails.module.css Code

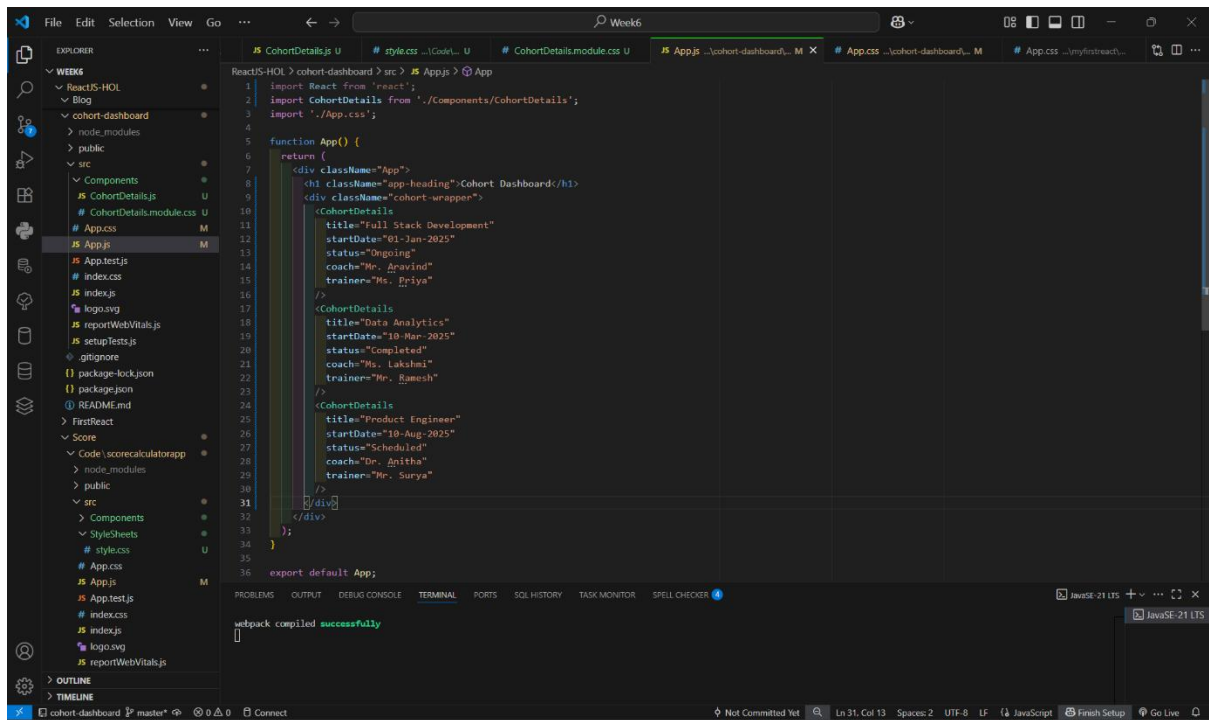


The screenshot shows the VS Code editor with the file `CohorDetails.module.css` open. The code defines a `.box` class with a light gray background, padding, border-radius, margin, width, box-shadow, font-family, and transition. It also defines `.box:hover`, `.dt`, `.status-Ongoing`, `.status-Completed`, and `.status-Scheduled` classes with specific colors and font weights.

```
1 .box {
2   background-color: #f0f0f0;
3   padding: 20px;
4   border-radius: 12px;
5   margin: 30px;
6   width: 320px;
7   box-shadow: 0 4px 12px rgba(0, 0, 0, 0.15);
8   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
9   transition: transform 0.2s ease-in-out;
10 }
11
12 .box:hover {
13   transform: scale(1.01);
14 }
15
16 .dt {
17   font-weight: 600;
18   margin-bottom: 6px;
19 }
20
21 .status-Ongoing {
22   color: green;
23   font-weight: 500;
24 }
25
26 .status-Completed {
27   color: blue;
28   font-weight: 500;
29 }
30
31 .status-Scheduled {
32   color: red;
33   font-weight: 500;
34 }
```

webpack compiled successfully

App.js Code



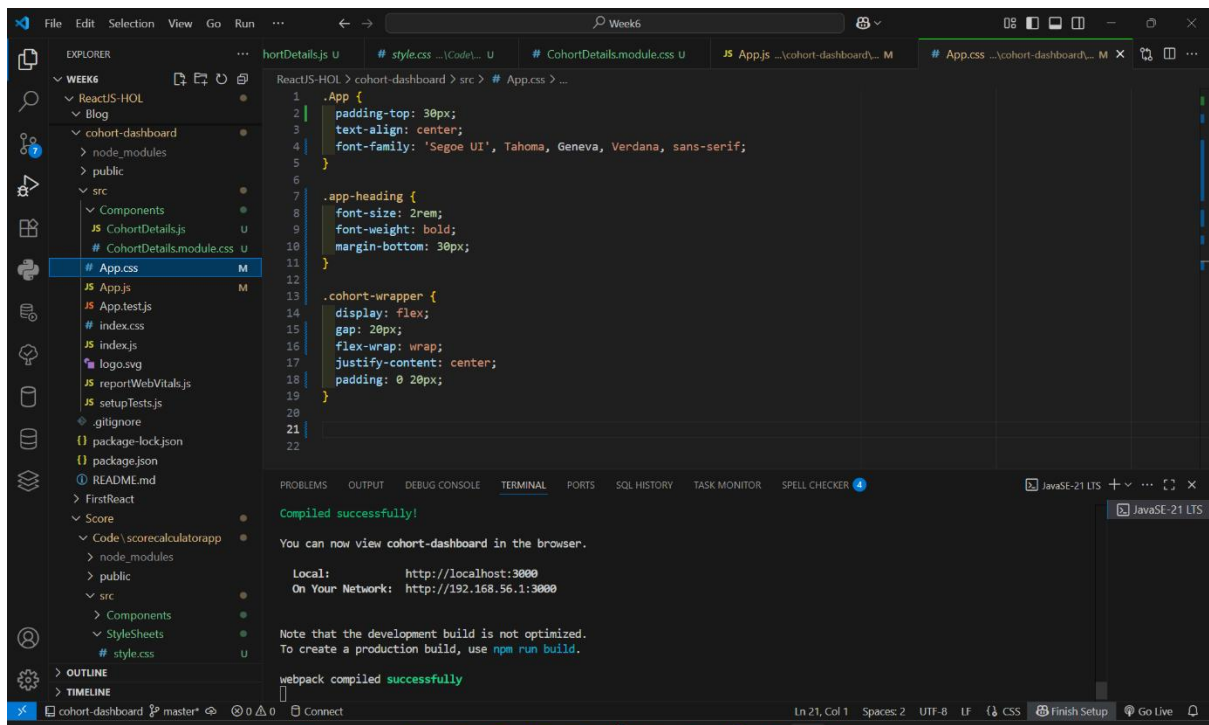
The screenshot shows the VS Code editor with the `App.js` file open. The code defines a React component `App` that renders a dashboard layout. The `App` component uses `ReactDOM.render` to render the `CohortDetails` component. The `CohortDetails` component is a class component that renders a list of cohort details. The `App` component is exported as the default export.

```
1 import React from 'react';
2 import CohortDetails from './Components/CohortDetails';
3 import './App.css';
4
5 function App() {
6   return (
7     <div className="App">
8       <h1 className="app-heading">Cohort Dashboard</h1>
9       <div className="cohort-wrapper">
10        <CohortDetails
11          title="Full Stack Development"
12          startDate="01-Jan-2025"
13          status="Ongoing"
14          coach="Mr. Aravind"
15          trainer="Ms. Priya"
16        />
17        <CohortDetails
18          title="Data Analytics"
19          startDate="10-Mar-2025"
20          status="Completed"
21          coach="Ms. Lakshmi"
22          trainer="Mr. Ramesh"
23        />
24        <CohortDetails
25          title="Product Engineer"
26          startDate="10-Aug-2025"
27          status="Scheduled"
28          coach="Dr. Anitha"
29          trainer="Mr. Surya"
30        />
31      </div>
32    </div>
33  );
34}
35
36 export default App;
```

The terminal output shows the webpack compilation process:

```
webpack compiled successfully
```

App.css Code



The screenshot shows the VS Code editor with the `App.css` file open. The code defines the styles for the `App` component. The `App` class has a padding-top of 30px, text-align of center, and font-family of Segoe UI, Tahoma, Geneva, Verdana, sans-serif. The `.app-heading` class has a font-size of 2rem, font-weight of bold, and margin-bottom of 30px. The `.cohort-wrapper` class has a display of flex, gap of 20px, flex-wrap of wrap, justify-content of center, and padding of 0 20px.

```
1 .App {
2   padding-top: 30px;
3   text-align: center;
4   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
5 }
6
7 .app-heading {
8   font-size: 2rem;
9   font-weight: bold;
10  margin-bottom: 30px;
11 }
12
13 .cohort-wrapper {
14   display: flex;
15   gap: 20px;
16   flex-wrap: wrap;
17   justify-content: center;
18   padding: 0 20px;
19 }
20
21
```

The terminal output shows the webpack compilation process:

```
Compiled successfully!
You can now view cohort-dashboard in the browser.
Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
```


Output

