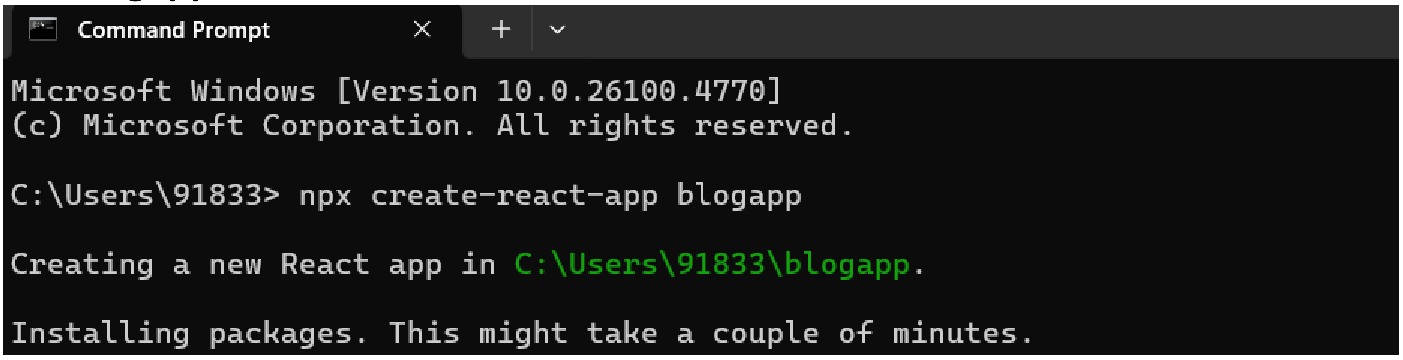
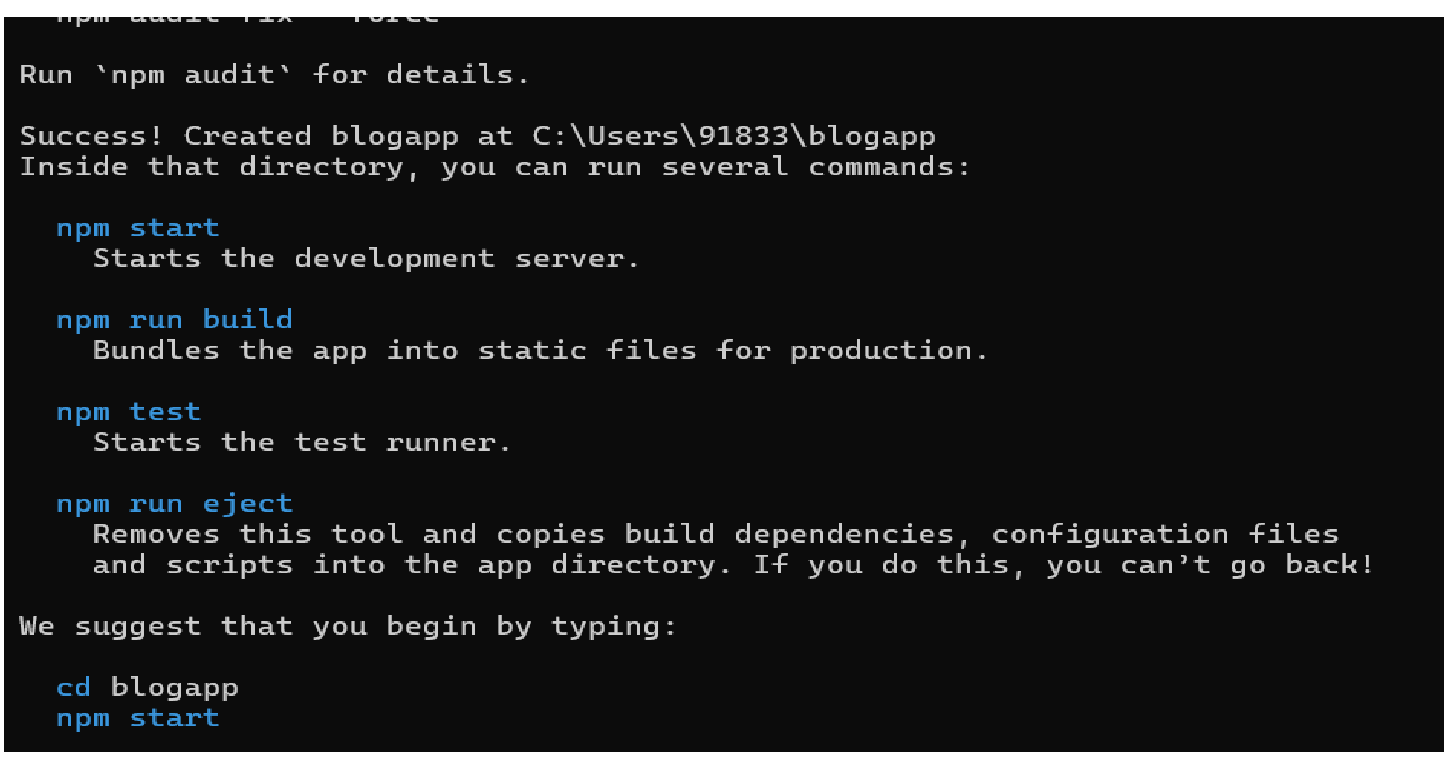
4. ReactJS-HOL From React Folder

Create a new react application using *create-react-app* tool with the name as **“blogapp”**

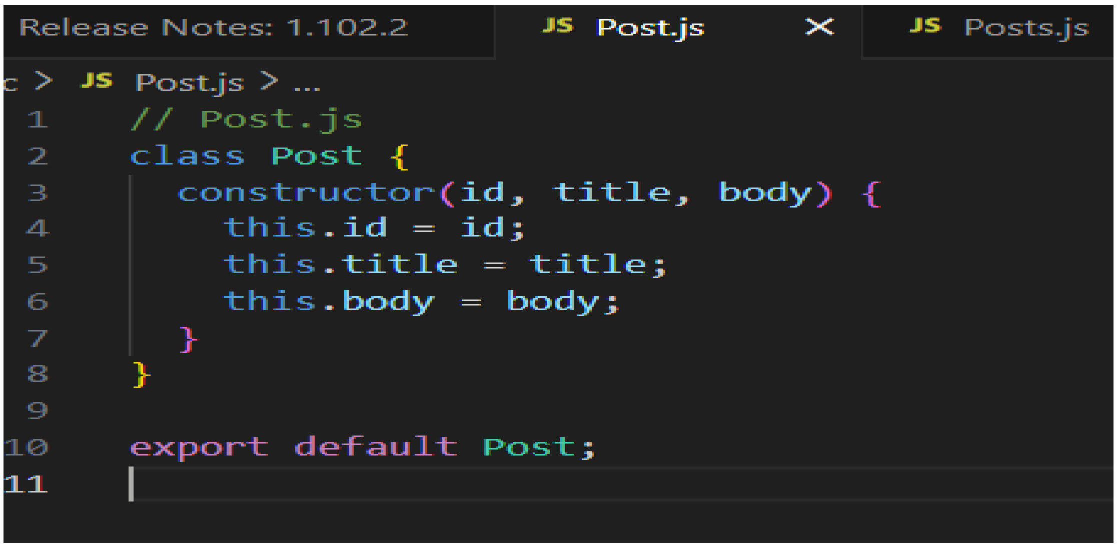


```
Microsoft Windows [Version 10.0.26100.4770]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91833> npx create-react-app blogapp

Creating a new React app in C:\Users\91833\blogapp.

Installing packages. This might take a couple of minutes.
```



```
Run `npm audit` for details.

Success! Created blogapp at C:\Users\91833\blogapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can’t go back!

We suggest that you begin by typing:

  cd blogapp
  npm start
```

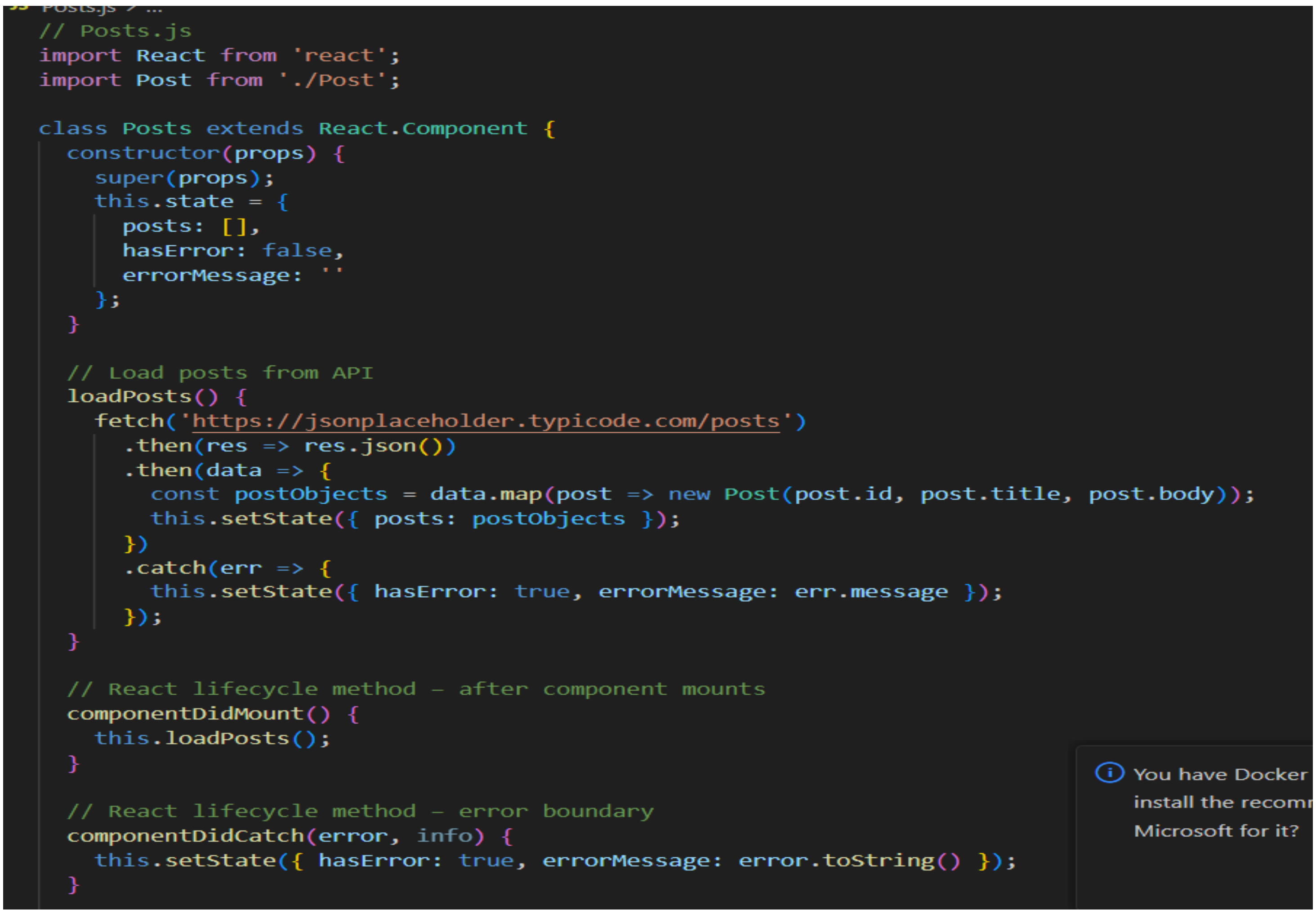
Create the Post.js in the src folder



```javascript
// Post.js
class Post {
  constructor(id, title, body) {
    this.id = id;
    this.title = title;
    this.body = body;
  }
}

export default Post;
```

➔ Create a new class based component named as Posts inside Posts.js file create loadmethods in that , Implement the componentDidMount() hook to make calls to loadPosts(),Implement the render(),Define acomponentDidCatch() method. In this file.

Code:



```
// Posts.js
import React from 'react';
import Post from './Post';

class Posts extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      posts: [],
      hasError: false,
      errorMessage: ''
    };
  }

  // Load posts from API
  loadPosts() {
    fetch('https://jsonplaceholder.typicode.com/posts')
      .then(res => res.json())
      .then(data => {
        const postObjects = data.map(post => new Post(post.id, post.title, post.body));
        this.setState({ posts: postObjects });
      })
      .catch(err => {
        this.setState({ hasError: true, errorMessage: err.message });
      });
  }

  // React lifecycle method - after component mounts
  componentDidMount() {
    this.loadPosts();
  }

  // React lifecycle method - error boundary
  componentDidCatch(error, info) {
    this.setState({ hasError: true, errorMessage: error.toString() });
  }
```

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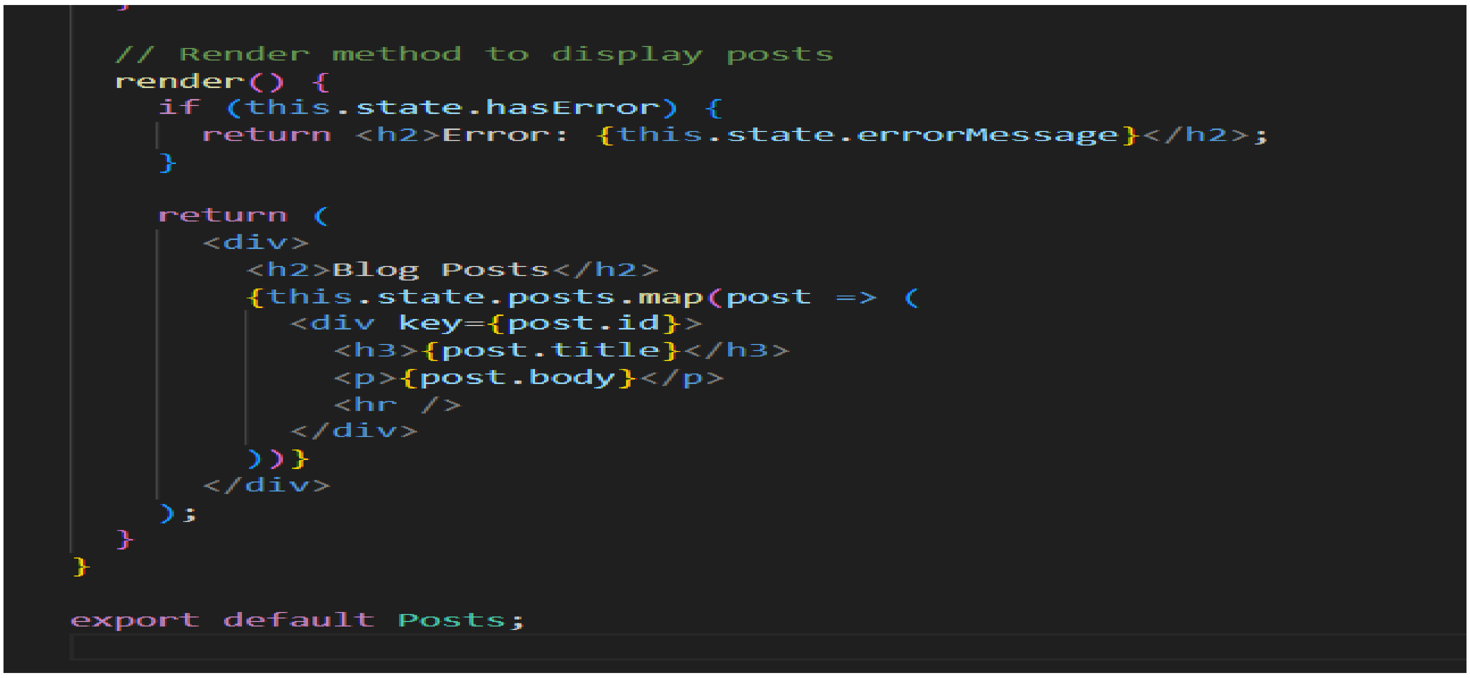
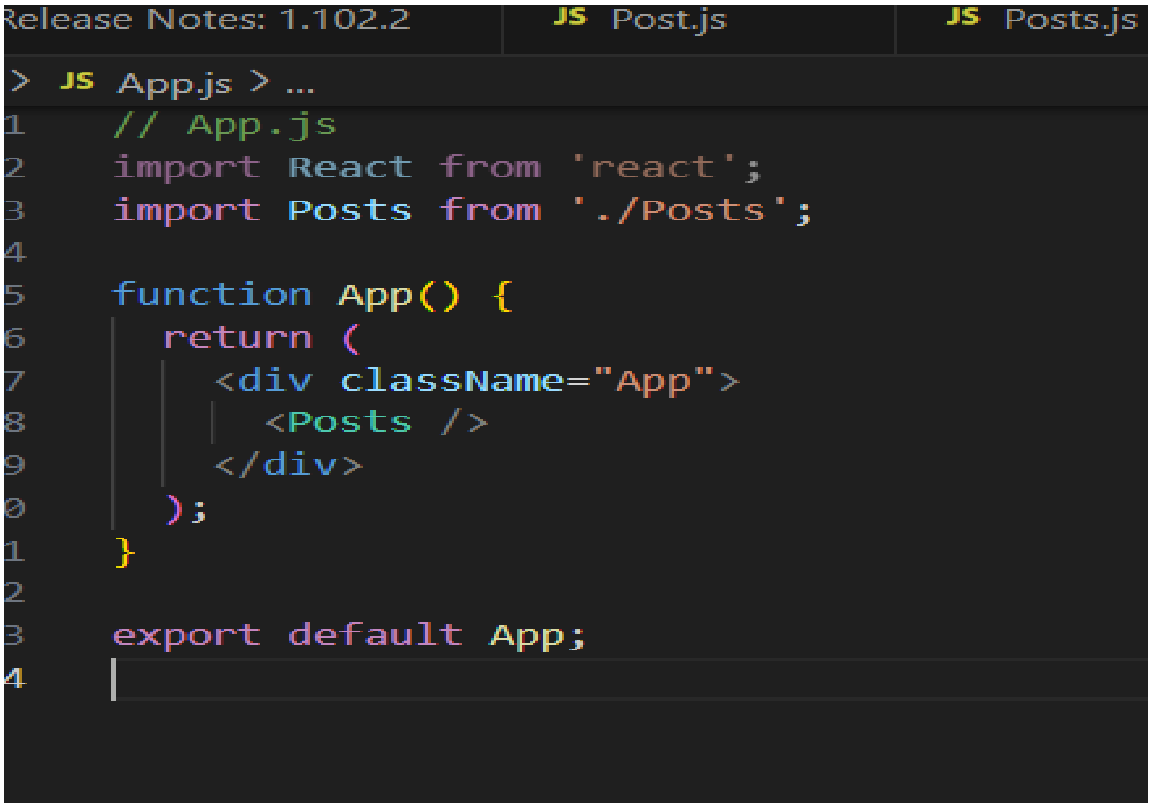


```
  // Render method to display posts
  render() {
    if (this.state.hasError) {
      return <h2>Error: {this.state.errorMessage}</h2>;
    }

    return (
      <div>
        <h2>Blog Posts</h2>
        {this.state.posts.map(post => (
          <div key={post.id}>
            <h3>{post.title}</h3>
            <p>{post.body}</p>
            <hr />
          </div>
        ))}
      </div>
    );
  }
}

export default Posts;
```

Change the App.js code to this:



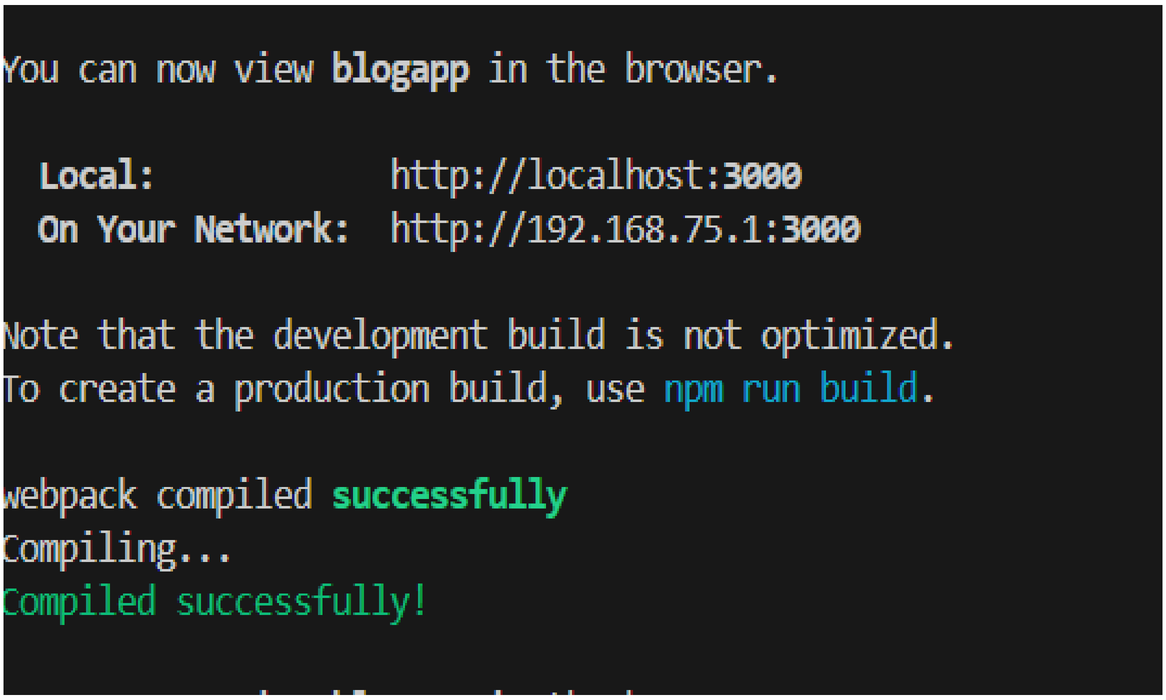
```javascript
// App.js
import React from 'react';
import Posts from './Posts';

function App() {
  return (
    <div className="App">
      <Posts />
    </div>
  );
}

export default App;
```

Output:

npm start

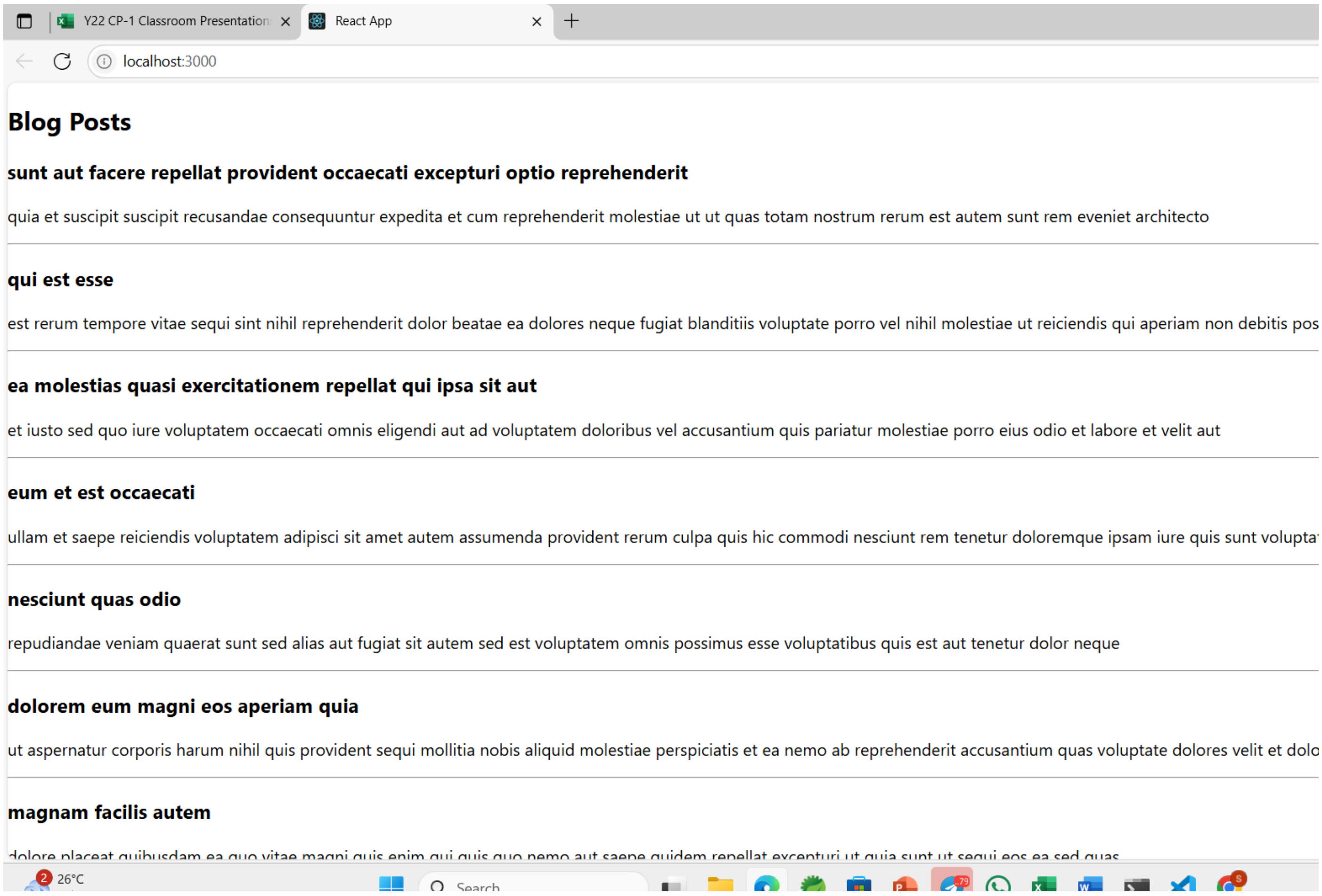


```
You can now view blogapp in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.75.1:3000

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

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



Blog Posts

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