**CODE**

**public/index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<meta name="theme-color" content="#000000" />

<meta

name="description"

content="Web site created using create-react-app"

/>

<link rel="apple-touch-icon" href="%PUBLIC\_URL%/logo192.png" />

<!--

manifest.json provides metadata used when your web app is installed on a

user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-app-manifest/

-->

<link rel="manifest" href="%PUBLIC\_URL%/manifest.json" />

<!--

Notice the use of %PUBLIC\_URL% in the tags above.

It will be replaced with the URL of the `public` folder during the build.

Only files inside the `public` folder can be referenced from the HTML.

Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC\_URL%/favicon.ico" will

work correctly both with client-side routing and a non-root public URL.

Learn how to configure a non-root public URL by running `npm run build`.

-->

<title>React App</title>

</head>

<body>

<noscript>You need to enable JavaScript to run this app.</noscript>

<div id="root"></div>

<!--

This HTML file is a template.

If you open it directly in the browser, you will see an empty page.

You can add webfonts, meta tags, or analytics to this file.

The build step will place the bundled scripts into the <body> tag.

To begin the development, run `npm start` or `yarn start`.

To create a production bundle, use `npm run build` or `yarn build`.

-->

</body>

</html>

**src/index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

<React.StrictMode>

<App />

</React.StrictMode>

);

// If you want to start measuring performance in your app, pass a function

// to log results (for example: reportWebVitals(console.log))

// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals

reportWebVitals();

**src/App.js**

// src/App.js

import React from 'react';

import Posts from './Posts';

import './App.css';

function App() {

return (

<div className="App">

<header className="App-header">

[cite\_start]{/\* Add the Posts component to the App component [cite: 31] \*/}

<Posts />

</header>

</div>

);

}

export default App;

**src/Post.js**

// src/Post.js

class Post {

constructor(id, title, body) {

this.id = id;

this.title = title;

this.body = body;

}

}

export default Post;

**src/Posts.js**

// src/Posts.js

import React from 'react';

class Posts extends React.Component {

constructor(props) {

super(props);

//[cite\_start]// Initialize state with an empty list of posts [cite: 21]

this.state = {

posts: [],

error: null,

};

}

//[cite\_start]// Method to fetch posts from the API [cite: 22]

async loadPosts() {

try {

const response = await fetch('https://jsonplaceholder.typicode.com/posts'); //[cite\_start]// [cite: 23]

if (!response.ok) {

throw new Error('Something went wrong!');

}

const data = await response.json();

this.setState({ posts: data });

} catch (error) {

this.setState({ error: error.message });

}

}

//[cite\_start]// Call loadPosts() after the component mounts [cite: 25]

componentDidMount() {

this.loadPosts(); //[cite\_start]// [cite: 25]

}

//[cite\_start]// Error boundary to catch errors in child components [cite: 29]

componentDidCatch(error, info) {

alert(`Error: ${error.message}\n\n${info.componentStack}`); //[cite\_start]// [cite: 29]

}

//[cite\_start]// Render the list of posts [cite: 27]

render() {

if (this.state.error) {

return <h1>{this.state.error}</h1>;

}

return (

<div>

<h1>Blog Posts</h1>

{this.state.posts.map(post => (

<div key={post.id}>

<h2>{post.title}</h2>

<p>{post.body}</p>

</div>

))}

</div>

);

}

}

export default Posts;

**OUTPUT**

(below 👇)

