**React Task - 4**

import React from 'react';

class Post extends React.Component {

render() {

const { title, body } = this.props;

return (

<div className="post">

<h3>{title}</h3>

<p>{body}</p>

<hr />

</div>

);

}

}

export default Post;

import React from 'react';

import Post from './Post';

class Posts extends React.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("Fetch error:", error);

this.setState({ hasError: true });

});

}

componentDidMount() {

this.loadPosts();

}

componentDidCatch(error, info) {

alert('An error occurred while loading posts.');

console.error("Error caught in component:", error, info);

this.setState({ hasError: true });

}

render() {

if (this.state.hasError) {

return <h2>Something went wrong while loading posts.</h2>;

}

return (

<div>

<h2>Blog Posts</h2>

{this.state.posts.slice(0, 10).map(post => (

<Post key={post.id} title={post.title} body={post.body} />

))}

</div>

);

}

}

export default Posts;

import React from 'react';

import Posts from './Posts';

function App() {

return (

<div className="App">

<h1>Welcome to Blog App</h1>

<Posts />

</div>

);

}

export default App;

