REACTJS HOLS

HANDS ON 4

class Post {

    constructor(id, title, body) {

    this.id = id;

    this.title = title;

    this.body = body;

    }

}

export default Post;

import React from 'react';

import PostModel 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 => {

        const postObjects = data.slice(0, 10).map(p => new PostModel(p.id, p.title, p.body));

        this.setState({ posts: postObjects });

    })

    .catch(error => {

        console.error("Error fetching posts:", error);

        this.setState({ hasError: true });

    });

}

componentDidMount() {

    this.loadPosts();

}

componentDidCatch(error, info) {

    alert("An error occurred while displaying posts.");

    console.error("Caught by componentDidCatch:", error, info);

    this.setState({ hasError: true });

}

render() {

    if (this.state.hasError) {

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

    }

    return (

    <div>

        <h1>Blog Posts</h1>

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

            <div key={post.id} style={{ marginBottom: '20px' }}>

            <h2>{post.title}</h2>

            <p>{post.body}</p>

            </div>

        ))}

    </div>

    );

}

}

export default Posts;

import React from 'react';

import './App.css';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

OUTPUT

