**WEEK 6**

**Module 10 – Single Page Application framework – React**

**4. ReactJS-HOL**

**CODE:**

**src/Post.js**

class Post {

constructor(id, title, body) {

this.id = id;

this.title = title;

this.body = body;

}

}

export default Post;

**src/Posts.js**

import React from "react";

import Post from "./Post";

class Posts extends React.Component {

constructor(props) {

super(props);

this.state = {

posts: [],

};

}

loadPosts() {

fetch("https://jsonplaceholder.typicode.com/posts")

.then((response) => response.json())

.then((data) => {

const postList = data.slice(0, 10).map((post) => {

return new Post(post.id, post.title, post.body);

});

this.setState({ posts: postList });

})

.catch((error) => {

throw error;

});

}

componentDidMount() {

this.loadPosts();

}

componentDidCatch(error, info) {

alert("An error occurred while rendering posts: " + error.toString());

}

render() {

return (

<div>

<h2>Blog Posts</h2>

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

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

<h3>{post.title}</h3>

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

</div>

))}

</div>

);

}

}

export default Posts;

**src/App.js**

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;

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.