**React**

**Handson4 ReactJS-HOL**

**Source Code**

**Step by Step Instructions**

**1) Create React App from Terminal:**

npx create-react-app blogapp

**2. Create Post.js file in src**

In VS Code:

* Go to src folder
* Right-click → **New File** → Name it Post.js

import React from 'react';

class Post extends React.Component {

render() {

const { title, body } = this.props;

return (

<div style={{ border: "1px solid gray", margin: "10px", padding: "10px" }}>

<h2>{title}</h2>

<p>{body}</p>

</div>

);

}

}

export default Post;

**3). Create Posts.js file in src**

* Again in src folder
* Right-click → **New File** → Name it Posts.js

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("Error fetching posts:", error);

});

};

componentDidMount() {

this.loadPosts();

}

componentDidCatch(error, info) {

this.setState({ hasError: true });

alert("An error occurred in the component!");

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

}

render() {

if (this.state.hasError) {

return <h1>Something went wrong while loading posts.</h1>;

}

return (

<div>

<h1>All Posts</h1>

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

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

))}

</div>

);

}

}

export default Posts;

**4. Update App.js to include Posts**

In src/App.js, replace everything with:

import React from 'react';

import Posts from './Posts';

function App() {

return (

<div className="App">

<Posts />

</div>

);

}

export default App;

**OUTPUT:**

