**4. ReactJS-HOL**

**1. App.js**

import React from 'react';

import Posts from './Posts';

function App() {

return (

<div>

<h1 style={{ textAlign: 'center', padding: '20px' }}>Welcome to Blog App</h1>

<Posts />

</div>

);

}

export default App;

**2. Posts.js**

import React, { Component } from 'react';

class Posts extends Component {

constructor(props) {

super(props);

this.state = {

posts: [],

error: null

};

}

componentDidMount() {

this.loadPosts();

}

async loadPosts() {

try {

const response = await fetch('https://jsonplaceholder.typicode.com/posts');

const data = await response.json();

this.setState({ posts: data });

} catch (error) {

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

}

}

componentDidCatch(error, info) {

alert("An error occurred: " + error);

}

render() {

const { posts, error } = this.state;

if (error) {

return <p style={{ color: 'red' }}>Error: {error}</p>;

}

return (

<div style={{ padding: '20px' }}>

<h2>Blog Posts</h2>

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

<div key={post.id} style={{

border: '1px solid #ccc',

padding: '15px',

marginBottom: '10px',

borderRadius: '8px',

backgroundColor: '#f9f9f9'

}}>

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

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

</div>

))}

</div>

);

}

}

export default Posts;

**3. index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

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

root.render(<App />);

**Ouput:**



