**4.ReactJS-HOL**

**Code:**

**Post.js**

class Post {

constructor(id, title, body) {

this.id = id;

this.title = title;

this.body = body;

}

}

export default Post;

**Posts.js**

import React, { Component } from 'react';

import Post from './Post';

class Posts extends Component {

constructor(props) {

super(props);

this.state = {

posts: [],

error: null

};

}

loadPosts() {

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

.then(response => {

if (!response.ok) throw new Error('Network response was not ok');

return response.json();

})

.then(data => {

const postList = data.map(item => new Post(item.id, item.title, item.body));

this.setState({ posts: postList });

})

.catch(error => {

this.setState({ error });

});

}

componentDidMount() {

this.loadPosts();

}

render() {

const { posts } = this.state;

return (

<div>

<h1>Blog Posts</h1>

{posts.map(post => (

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

<h2>{post.title}</h2>

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

</div>

))}

</div>

);

}

componentDidCatch(error, info) {

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

}

}

export default Posts;

**App.js**

import React from 'react';

import './App.css';

import Posts from './Posts';

function App() {

return (

<div className="App">

<Posts />

</div>

);

}

export default App;

**Output:**

