**4.ReactJS-HOL**

**posts.js**

import React, { Component } from 'react';

class Posts extends Component {

constructor(props) {

super(props);

this.state = {

posts: [],

hasError: false,

};

}

loadPosts = () => {

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

.then((res) => res.json())

.then((data) => {

this.setState({ posts: data });

})

.catch((err) => {

console.error('Error fetching posts:', err);

this.setState({ hasError: true });

});

};

componentDidMount() {

this.loadPosts();

}

componentDidCatch(error, info) {

alert('An error occurred in Posts component.');

console.error(error, info);

}

render() {

const { posts, hasError } = this.state;

if (hasError) {

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

}

return (

<div>

<h1>Posts</h1>

{posts.map((post) => (

<div key={post.id}>

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

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

<hr />

</div>

))}

</div>

);

}

}

export default Posts;

**post.js**

export class Post {

constructor(id, title, body) {

this.id = id;

this.title = title;

this.body = body;

}

}

**App.js**

import React from 'react';

import './App.css';

import Posts from './posts';

function App() {

return (

<div className="App">

<Posts />

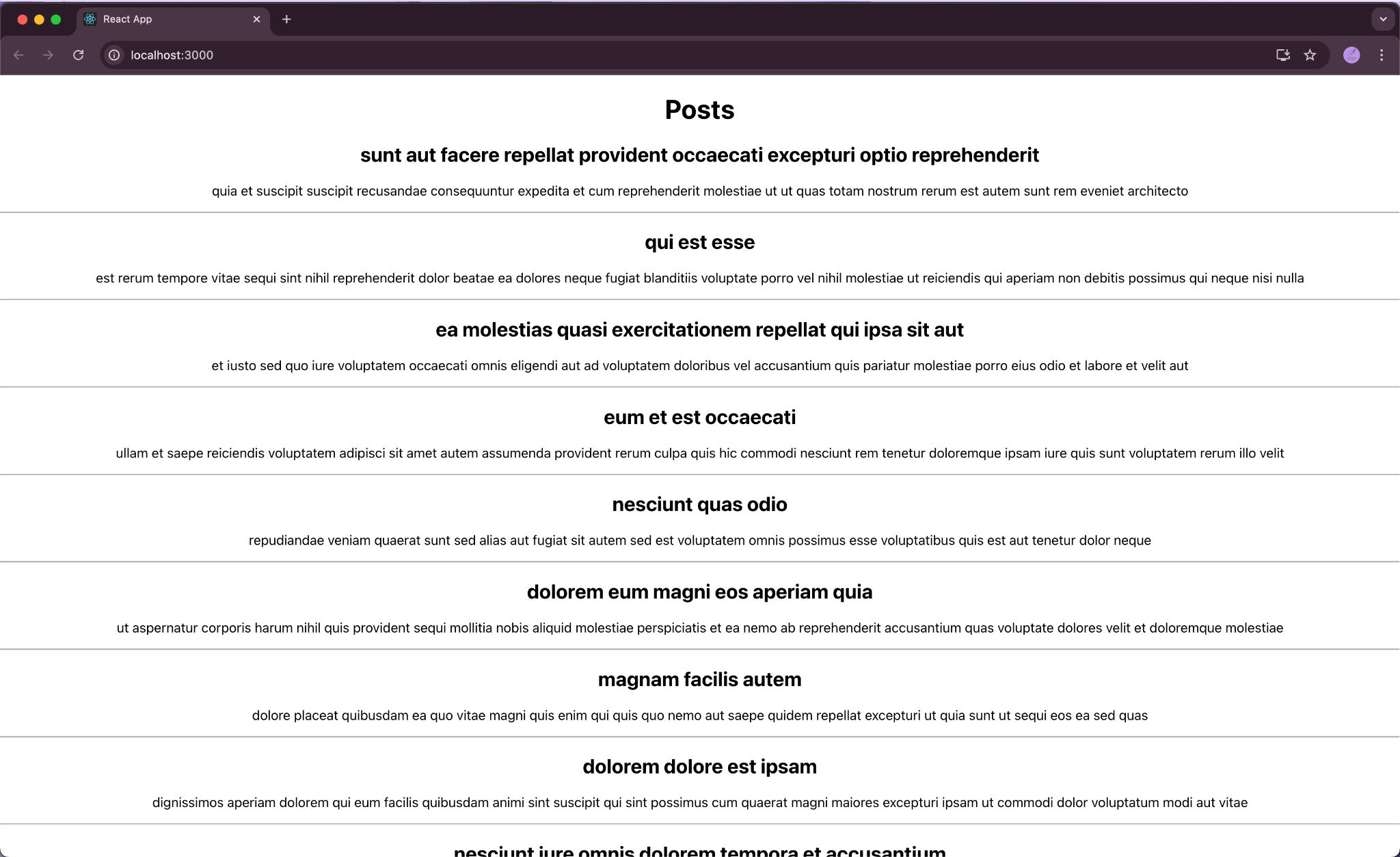
</div>

);

}

export default App;

**Output:**

****