React

**4**.**ReactJS-HOL**

**Post.js**

import React from 'react';

const Post = ({ title, body }) => {

  return (

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

      <h3>{title}</h3>

      <p>{body}</p>

    </div>

  );

};

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: [],

      hasError: false

    };

  }

  loadPosts() {

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

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

      .then(data => {

        this.setState({ posts: data });

      })

      .catch(error => {

        console.error('Fetch error:', error);

        this.setState({ hasError: true });

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert('An error occurred while rendering posts!');

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

  }

  render() {

    if (this.state.hasError) {

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

    }

    return (

      <div>

        <h1>Blog Posts</h1>

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

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

        ))}

      </div>

    );

  }

}

export default Posts;

**App.js**

import './App.css';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

 <Posts />

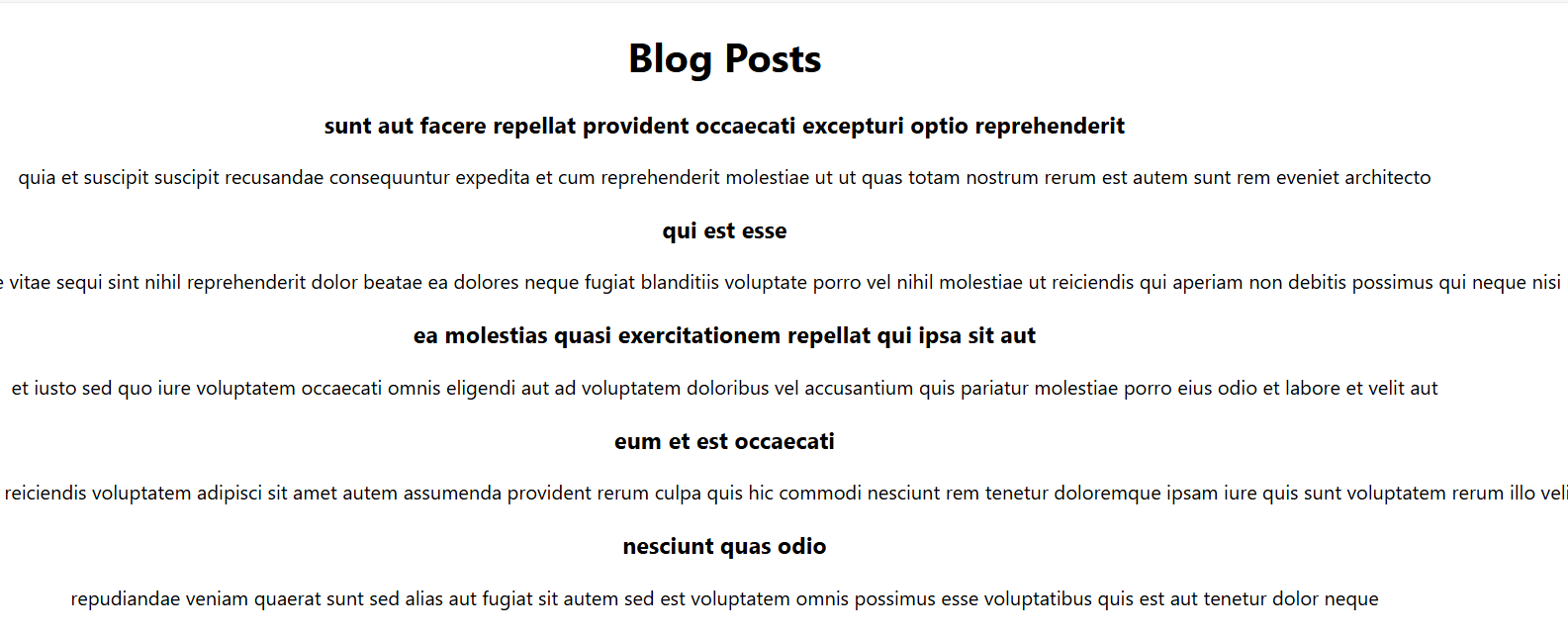
  </div>

  );

}

export default App;

**Output**

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