**CTS DIGITAL NURTURE - 4.0 JAVA FSE**

**WEEK 6 -** **React**

**4.ReactJS-HOL**

* **Implement componentDidMount() hook**
* **Implementing componentDidCatch() life cycle hook.**

**App.js**

import React from 'react';

import Posts from './Posts';

function App() {

    return (

        <div className="App">

            <h1>Blog Application</h1>

            <Posts />

        </div>

    );

}

export default App;

**Post.js**

import React, { Component } from 'react';

class Post extends Component {

  render() {

    return (

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

        <h3>{this.props.title}</h3>

        <p>{this.props.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 => {

                this.setState({ hasError: true });

                console.error("Error loading posts:", error);

            });

    }

    componentDidMount() {

        this.loadPosts();

    }

    componentDidCatch(error, info) {

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

    }

    render() {

        return (

            <div>

                <h2>All Posts</h2>

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

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

                ))}

            </div>

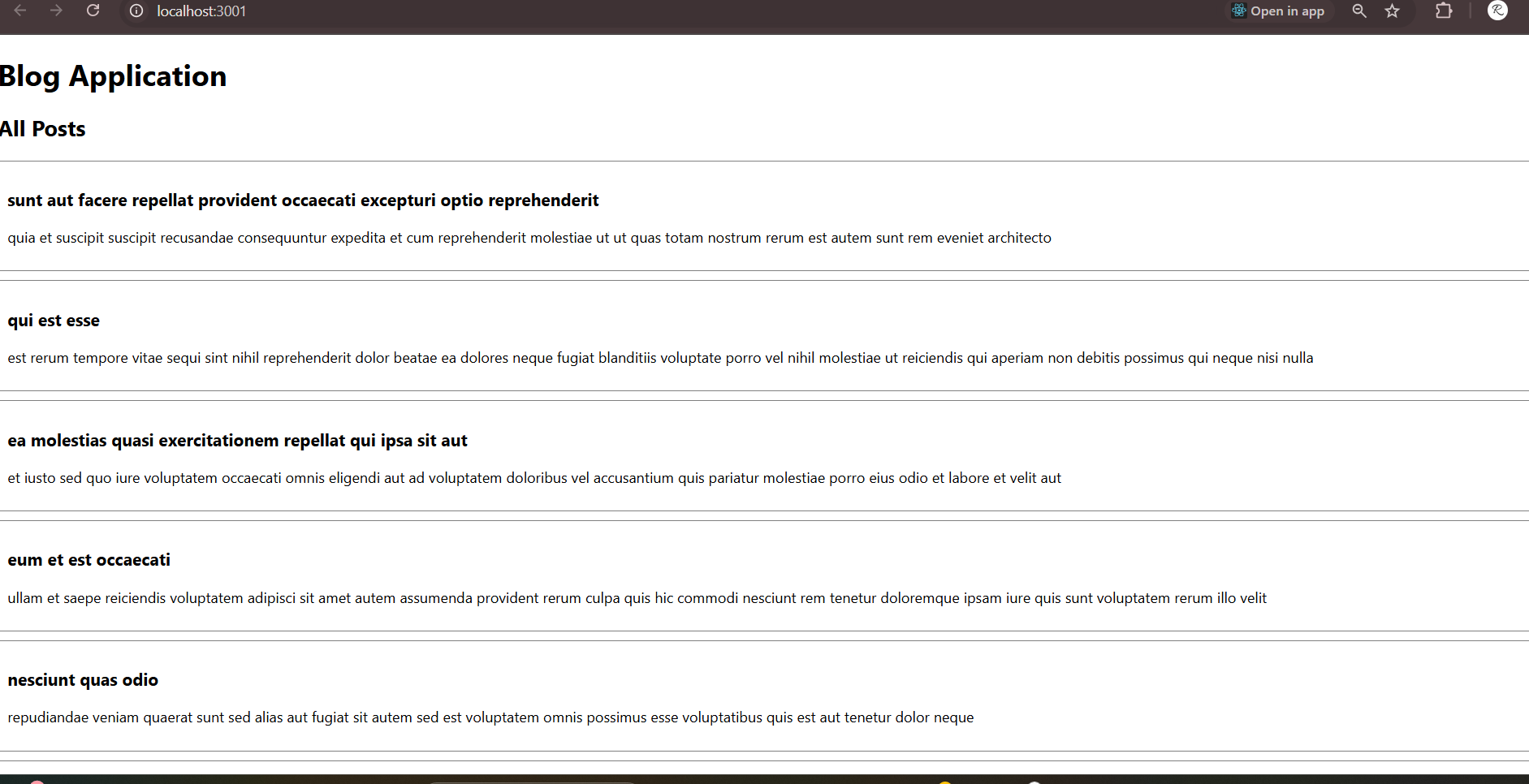
        );

    }

}

export default Posts;

**OUTPUT:**

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