**4.React Js-HOL**

**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';

class Posts extends Component {

constructor(props) {

super(props);

this.state = {

posts: [],

hasError: false,

};

}

loadPosts() {

const englishPosts = [

{

id: 1,

title: 'The Power of Positive Thinking',

body: 'Positive thinking helps you build a better mindset, reduce stress, and improve overall well-being. It does not mean ignoring life’s challenges but facing them with a constructive attitude.',

},

{

id: 2,

title: 'Time Management for Students',

body: 'Effective time management is essential for academic success. Prioritize your tasks, avoid procrastination, and use tools like calendars and to-do lists to stay organized.',

},

{

id: 3,

title: 'Benefits of Daily Exercise',

body: 'Daily physical activity boosts your energy, improves mood, and strengthens your heart. Even a 30-minute walk can make a big difference in your health.',

},

{

id: 4,

title: 'How to Stay Focused While Studying',

body: 'Eliminate distractions, take regular breaks, and set small achievable goals. Create a dedicated study space and reward yourself after completing tasks.',

},

{

id: 5,

title: 'Why Reading Books Improves Your Brain',

body: 'Reading enhances memory, vocabulary, and imagination. It stimulates your brain, improves empathy, and helps you become a better communicator.',

},

];

setTimeout(() => {

this.setState({ posts: englishPosts });

}, 3000);

}

componentDidMount() {

this.loadPosts();

}

componentDidCatch(error, info) {

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

console.error("Caught error:", error, info);

this.setState({ hasError: true });

}

render() {

const { posts, hasError } = this.state;

if (hasError) {

return <h2 style={{ color: 'red' }}>Something went wrong.</h2>;

}

return (

<div>

<h1>Blog Posts</h1>

{posts.length === 0 ? (

<p>Loading posts...</p>

) : (

posts.map((post) => (

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

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

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

</div>

))

)}

</div>

);

}

}

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:**

