**4. ReactJS - HOL**

**Posts.js**

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      error: null

    };

  }

  loadPosts() {

  const customPosts = [

    {

      id: 1,

      title: "Importance of Time Management",

      body: "Time is our most precious resource; managing it well leads to a productive life."

    },

    {

      id: 2,

      title: "Benefits of a Healthy Diet",

      body: "Eating nutritious food improves energy, focus, and overall well-being."

    },

    {

      id: 3,

      title: "Why Reading Every Day Matters",

      body: "Reading daily enhances vocabulary, creativity, and knowledge retention."

    },

    {

      id: 4,

      title: "Staying Motivated in Tough Times",

      body: "Stay focused on your goals, and remember every challenge helps you grow stronger."

    },

    {

      id: 5,

      title: "The Power of Positive Thinking",

      body: "Positive thoughts attract positive outcomes and improve mental health."

    }

  ];

  this.setState({ posts: customPosts });

}

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert("Component error: " + error);

  }

  render() {

    const { posts, error } = this.state;

    if (error) return <p>Error: {error}</p>;

    return (

      <div>

        <h2>Posts</h2>

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

          <div key={post.id}>

            <h3>{post.title}</h3>

            <p>{post.body}</p>

            <hr />

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

**loadPosts.js**

class Posts extends React.Component{

    constructor(props){

        super(props);

    }

    loadPosts(){

    }

}

**Post.js**

class Post {

  constructor(id, title, body) {

    this.id = id;

    this.title = title;

    this.body = body;

  }

}

export default Post;

**App.js**

import React from 'react';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <h1>Blog Post Viewer</h1>

      <Posts />

    </div>

  );

}

export default App;

**App.css**

.App {

  text-align: center;

}

.App-logo {

  height: 40vmin;

  pointer-events: none;

}

@media (prefers-reduced-motion: no-preference) {

  .App-logo {

    animation: App-logo-spin infinite 20s linear;

  }

}

.App-header {

  background-color: #282c34;

  min-height: 100vh;

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  font-size: calc(10px + 2vmin);

  color: white;

}

.App-link {

  color: #61dafb;

}

@keyframes App-logo-spin {

  from {

    transform: rotate(0deg);

  }

  to {

    transform: rotate(360deg);

  }

}



