**Week – 6**

**HANDS ON**

**4. ReactJS-HOL**

**CODE:**

**1. Post.js**

import React from 'react';

class Post extends React.Component {

  render() {

    return (

      <div>

        <h2>{this.props.title}</h2>

        <p>{this.props.body}</p>

      </div>

    );

  }

}

export default Post;

**2. Posts.js**

import React from 'react';

import Post from './Post';

class Posts extends React.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 => {

        this.setState({ hasError: true });

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

      });

  };

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    this.setState({ hasError: true });

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

  }

  render() {

    const { posts, hasError } = this.state;

if (hasError) {

      return <h1>Something went wrong.</h1>;

    }

return (

      <div>

        <h1>Blog Posts</h1>

        {posts.map(post => (

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

        ))}

      </div>

    );

  }

}

export default Posts;

**3. App.css**

**Here I have added few lines of code to the existing code to make background as yellow color**

.App {

  text-align: center;

  background-color: yellow;

  min-height: 100vh;

  padding: 20px;

}

.post {

  background-color: white;

  padding: 15px;

  margin: 10px auto;

  width: 80%;

  border-radius: 10px;

  box-shadow: 0 0 5px rgba(0, 0, 0, 0.2);

}

**4. 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**

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