**HANDS ON 4:REACT JS -HOL**

**CODE:**

**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';

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) => {

        const postList = data.map(

          (item) => new Post(item.id, item.title, item.body)

        );

        this.setState({ posts: postList });

      })

      .catch((error) => {

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

        this.setState({ hasError: true });

      });

  }

componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert('An error occurred: ' + error);

    this.setState({ hasError: true });

  }

  render() {

    if (this.state.hasError) {

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

    }

    return (

      <div>

        <h1>Blog Posts</h1>

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

          <div key={post.id}>

            <h2>{post.title}</h2>

            <p>{post.body}</p>

            <hr />

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

**OUTPUT:**



