**Exercise:4**

**Post.js**

import React from 'react';

const Post = ({ title, body }) => (

  <div style={{ marginBottom: '20px' }}>

    <h2>{title}</h2>

    <p>{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(res => res.json())

      .then(data => this.setState({ posts: data }))

      .catch(error => {

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

        this.setState({ hasError: true });

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert('An error occurred in the component!');

    console.error("Error caught by componentDidCatch:", error, info);

  }

  render() {

    const { posts } = this.state;

    return (

      <div>

        <h1>Posts</h1>

        {posts.map(post => (

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

        ))}

      </div>

    );

  }

}

export default Posts;

**App.js**

import React from 'react';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

**Output:**

