***WEEK 6***

***Blog app***

*Src/Post.js*

class Post {

  constructor(id, title, body) {

    this.id = id;

    this.title = title;

    this.body = body;

  }

}

export default Post;

*Src/ 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() {

    fetch("https://jsonplaceholder.typicode.com/posts")

      .then((response) => {

        if (!response.ok) {

          throw new Error("Failed to fetch posts");

        }

        return response.json();

      })

      .then((data) => {

        const postsArray = data.map(

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

        );

        this.setState({ posts: postsArray });

      })

      .catch((error) => {

        this.setState({ error });

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

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

  }

  render() {

    const { posts, error } = this.state;

    if (error) {

      return <p style={{ color: "red" }}>Error: {error.message}</p>;

    }

    return (

      <div>

        <h1>Posts</h1>

        {posts.map((post) => (

          <div key={post.id}>

            <h2>{post.title}</h2>

            <p>{post.body}</p>

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

*Src/App.js*

import React from "react";

import Posts from "./Posts";

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

***OUTPUT***

