4.Create a new react application using *create-react-app* tool with the name as “blogapp”

Post.js:

import React from 'react';

class Post extends React.Component {

  render() {

    return (

      <div style={{ border: "1px solid gray", margin: "10px", padding: "10px" }}>

        <h3>{this.props.title}</h3>

        <p>{this.props.body}</p>

      </div>

    );

  }

}

export default Post;

Posts.js:

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false

    };

  }

  // Step 6: Load Posts from API

  loadPosts = () => {

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

      .then(response => response.json())

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

      .catch(error => {

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

        this.setState({ hasError: true });

      });

  };

  // Step 7: Call loadPosts in componentDidMount

  componentDidMount() {

    this.loadPosts();

  }

  // Step 9: Handle errors in rendering lifecycle

  componentDidCatch(error, info) {

    console.error("Error caught in component:", error);

    alert("Something went wrong while displaying posts.");

    this.setState({ hasError: true });

  }

  // Step 8: Render posts

  render() {

    if (this.state.hasError) {

      return <h2>Error loading posts.</h2>;

    }

   return (

      <div>

        <h2>Blog Posts</h2>

        {this.state.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">

      <h1>Welcome to BlogApp</h1>

      <Posts />

    </div>

  );

}

export default App;

Output:



