1. Create a new react application using *create-react-app* tool with the name as “blogapp”. Create a new file named as **Post.js** in **src folder.** Create a new class based component named as **Posts** inside **Posts.js** file. Initialize the component with a list of Post in state of the component using the constructor
2. Create a new method in component with the name as **loadPosts()** which will be responsible for using Fetch API and assign it to the component state created earlier. To get the posts use the url (<https://jsonplaceholder.typicode.com/posts>).
3. Implement the **componentDidMount()** hook to make calls to **loadPosts()** which will fetch the posts. Implement the **render()** which will display the title and post of posts in html page using heading and paragraphs respectively. Define a **componentDidCatch()** method which will be responsible for displaying any error happing in the component as alert messages.
4. Add the Posts component to App component. Build and Run the application using *npm start* command.

CODE:

Post.js

import React, { Component } from 'react';

class Post extends Component {

  constructor(props) {

    super(props);

    this.state = {

      title: props.title,

      body: props.body,

    };

  }

  render() {

    return (

      <div>

        <h3>{this.state.title}</h3>

        <p>{this.state.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: [],

      error: null,

    };

  }

  loadPosts = async () => {

    try {

      const response = await fetch('https://jsonplaceholder.typicode.com/posts');

      if (!response.ok) {

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

      }

      const data = await response.json();

      this.setState({ posts: data });

    } catch (error) {

      this.setState({ error: error.message });

    }

  };

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert(`Error: ${error.message}\nInfo: ${info.componentStack}`);

    this.setState({ error: error.message });

  }

  render() {

    const { posts, error } = this.state;

    console.log('Posts data:', posts);

    if (error) {

      return <div>Error: {error}</div>;

    }

    return (

      <div>

        <h1>Blog 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 './App.css';

import Posts from './Posts'; // Ensure the path is correct

class App extends React.Component {

  render() {

    return (

      <div className="App">

        <Posts />

      </div>

    );

  }

}

export default App;

OUTPUT:

