1. Create a new react application using *create-react-app* tool with the name as “blogapp”
2. Open the application using VS Code
3. Create a new file named as **Post.js** in **src folder** with following properties

// src/Post.js

class Post {

  constructor(id, title, body) {

    this.id = id;

    this.title = title;

    this.body = body;

  }

}

export default Post;

1. Create a new class based component named as **Posts** inside **Posts.js** file
2. Initialize the component with a list of Post in state of the component using the constructor
3. 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>)
4. Implement the **componentDidMount()** hook to make calls to **loadPosts()** which will fetch the posts
5. Implement the **render()** which will display the title and post of posts in html page using heading and paragraphs respectively.
6. Define a **componentDidCatch()** method which will be responsible for displaying any error happing in the component as alert messages.

// src/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() {

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

      .then(response => {

        if (!response.ok) {

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

        }

        return response.json();

      })

      .then(data => {

        const posts = data.map(p => new Post(p.id, p.title, p.body));

        this.setState({ posts });

      })

      .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>Blog Posts</h1>

        {posts.map(post => (

          <div key={post.id} style={{ marginBottom: '20px' }}>

            <h2>{post.title}</h2>

            <p>{post.body}</p>

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

1. Add the Posts component to App component.

import React from 'react';

import './App.css';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

1. Build and Run the application using *npm start* command.





