**4-BLOGAPP**

**AIM:**To create a new react application using create-react-app tool with the name as blogapp.

**Post.js:**

import React from "react";

class Post {

constructor(userId, id, title, body) {

this.userId = userId;

this.id = id;

this.title = title;

this.body = body;

}

}

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: [],

};

}

// Method to load posts from API

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 postsList = data.map(

(p) => new Post(p.userId, p.id, p.title, p.body)

);

this.setState({ posts: postsList });

})

.catch((error) => {

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

});

};

// Lifecycle method to call loadPosts

componentDidMount() {

this.loadPosts();

}

// Error handling

componentDidCatch(error, info) {

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

}

render() {

return (

<div>

<h1>Blog Posts</h1>

{this.state.posts.map((post) => (

<div key={post.id}>

<h3>{post.title}</h3>

<p>{post.body}</p>

</div>

))}

</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:



