**Exercise 4: Creating a Blog App**

**Step 1: Setup the project**

* *npx create-react-app blogapp*
* *cd blogapp*

**Step 2: Create Post.js in src/**

import React from 'react';

class Post extends React.Component {

  render() {

    return (

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

        <h3>{this.props.title}</h3>

        <p>{this.props.body}</p>

      </div>

    );

  }

}

export default Post;

**Step 3: Create Posts.js in src/**

// src/Posts.js

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false

    };

  }

  loadPosts = () => {

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

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

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

      .catch((error) => {

        this.setState({ hasError: true });

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

      });

  };

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

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

    console.error('Error caught:', error, info);

  }

  render() {

    return (

      <div>

        <h2>All Blog Posts</h2>

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

          <Post key={post.id} title={post.title} body={post.body} />

        ))}

      </div>

    );

  }

}

export default Posts;

**Step 4: Modify the App.js file**

// src/App.js

import React from 'react';

import './App.css';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <h1>Welcome to Blog App</h1>

      <Posts />

    </div>

  );

}

export default App;

**Step 5: Run the Application**

In terminal, run:

* *npm start*

