**Exercise 4 BlogApp:**

**App.css:**

.App {

  text-align: center;

  font-family: Arial, sans-serif;

  padding: 20px;

}

.App-logo {

  height: 40vmin;

  pointer-events: none;

}

@media (prefers-reduced-motion: no-preference) {

  .App-logo {

    animation: App-logo-spin infinite 20s linear;

  }

}

.App-header {

  background-color: #282c34;

  min-height: 100vh;

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  font-size: calc(10px + 2vmin);

  color: white;

}

.App-link {

  color: #61dafb;

}

@keyframes App-logo-spin {

  from {

    transform: rotate(0deg);

  }

  to {

    transform: rotate(360deg);

  }

}

**App.test.js:**

import { render, screen } from '@testing-library/react';

import App from './App';

test('renders learn react link', () => {

  render(<App />);

  const linkElement = screen.getByText(/learn react/i);

  expect(linkElement).toBeInTheDocument();

});

**Index.css:**

body {

  margin: 0;

  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',

    'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',

    sans-serif;

  -webkit-font-smoothing: antialiased;

  -moz-osx-font-smoothing: grayscale;

  margin: 0;

  padding: 0;

  background-color: #f4f4f4;

}

code {

  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',

    monospace;

}

**Index.js:**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

**Post.js:**

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;

**Posts.js:**

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

    };

  }

  // Fetch blog posts from API

  loadPosts() {

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

      .then(response => {

        if (!response.ok) {

          throw new Error('Network response was not ok');

        }

        return response.json();

      })

      .then(data => {

        this.setState({ posts: data });

      })

      .catch(error => {

        console.error('Fetch error:', error);

      });

  }

  // Lifecycle method to call API

  componentDidMount() {

    this.loadPosts();

  }

  // Catch render/logic errors

  componentDidCatch(error, info) {

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

  }

  render() {

    return (

      <div>

        <h2>Posts List</h2>

        {this.state.posts.length > 0 ? (

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

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

          ))

        ) : (

          <p>Loading posts...</p>

        )}

      </div>

    );

  }

}

export default Posts;

**Output:**

**A screenshot of a computer

Description automatically generated**