**WEEK- 6: REACT**

**Exercise-4: ReactJS – HOL**

**1.index.html:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <meta name="theme-color" content="#000000" />

    <meta

      name="description"

      content="Blog App using React Lifecycle Methods"

    />

    <title>Blog App</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div>

  </body>

</html>

**2.App.js:**

import React from 'react';

import Posts from './Posts';

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

**3.index.css:**

body {

  font-family: Arial, sans-serif;

  margin: 20px;

  background-color: #f4f4f4;

}

h2 {

  color: #333;

}

.post {

  background: white;

  padding: 15px;

  margin: 10px 0;

  border-radius: 5px;

  box-shadow: 0 0 5px rgba(0,0,0,0.1);

}

.post h3 {

  margin: 0 0 10px;

  color: #4CAF50;

}

**4.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>

);

**5.Post.js:**

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: []

    };

  }

  loadPosts() {

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

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

      .then(data => {

        this.setState({ posts: data });

      })

      .catch(error => {

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

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert('An error occurred in the component: ' + error);

    console.error(info);

  }

  render() {

    return (

      <div>

        <h2>Blog Posts</h2>

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

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

        ))}

      </div>

    );

  }

}

export default Posts;

**6.package.json:**

{

  "name": "blogapp",

  "version": "0.1.0",

  "private": true,

  "dependencies": {

    "react": "^18.2.0",

    "react-dom": "^18.2.0",

    "react-scripts": "5.0.1"

  },

  "scripts": {

    "start": "react-scripts start",

    "build": "react-scripts build",

    "test": "react-scripts test",

    "eject": "react-scripts eject"

  },

  "eslintConfig": {

    "extends": [

      "react-app",

      "react-app/jest"

    ]

  },

  "browserslist": {

    "production": [

      ">0.2%",

      "not dead",

      "not op\_mini all"

    ],

    "development": [

      "last 1 chrome version",

      "last 1 firefox version",

      "last 1 safari version"

    ]

  }

}

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.