WEEK 6

**EXERCISE 1:**

**1. ReactJS-HOL**

**App.js**

// src/App.js

import React from 'react';

function App() {

return (

<div>

<h1>Welcome to the first session of React</h1>

</div>

);

}

export default App;

**EXERCISE 2:**

**2. ReactJS-HOL**

**Home.js**

import React from 'react';

function Home() {

return <h2>Welcome to the Home page of Student Management Portal</h2>;

}

export default Home;

**About.js**

import React from 'react';

function About() {

return <h2>Welcome to the About page of the Student Management Portal</h2>;

}

export default About;

**Contact.js**

import React from 'react';

function Contact() {

return <h2>Welcome to the Contact page of the Student Management Portal</h2>;

}

export default Contact;

**App.js**

// src/App.js

import React from 'react';

import Home from './Components/Home';

import About from './Components/About';

import Contact from './Components/Contact';

function App() {

return (

<div>

<Home />

<About />

<Contact />

</div>

);

}

export default App;

**EXERCISE 3:**

**3. ReactJS-HOL**

**CalculateScore.js**

// src/Components/CalculateScore.js

import React from 'react';

import '../Stylesheets/mystyle.css';

function CalculateScore({ name, school, total, goal }) {

const average = total / goal;

return (

<div className="score-box">

<h2>{name} from {school}</h2>

<p>Average Score: {average}</p>

</div>

);

}

export default CalculateScore;

**mystyle.css**

/\* src/Stylesheets/mystyle.css \*/

.score-box {

padding: 10px;

border: 1px solid black;

margin: 10px;

border-radius: 8px;

background-color: #f9f9f9;

}

**App.js**

import React from 'react';

import CalculateScore from './Components/CalculateScore';

function App() {

return (

<div>

<CalculateScore name="John" school="ABC High" total={420} goal={6} />

</div>

);

}

export default App;

**EXERCISE 4:**

**1. ReactJS-HOL**

**Posts.js**

import React, { Component } from 'react';

class Posts extends Component {

constructor() {

super();

this.state = { posts: [] };

}

componentDidMount() {

this.loadPosts();

}

loadPosts() {

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

.then(res => res.json())

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

.catch(error => alert("Error loading posts: " + error));

}

componentDidCatch(error, info) {

alert("An error occurred in component: " + error);

}

render() {

return (

<div>

<h1>Blog Posts</h1>

{this.state.posts.slice(0, 5).map(post => (

<div key={post.id}>

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

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

</div>

))}

</div>

);

}

}

export default Posts;

**App.js**

// src/App.js

import React from 'react';

import Posts from './Posts';

function App() {

return <Posts />;

}

export default App;

**EXERCISE 5:**

**5. ReactJS-HOL**

**CohortDetails.module.css**

/\* src/CohortDetails.module.css \*/

.box {

width: 300px;

display: inline-block;

margin: 10px;

padding: 10px 20px;

border: 1px solid black;

border-radius: 10px;

}

dt {

font-weight: 500;}

CohortDetails.js

// src/CohortDetails.js

import React from 'react';

import styles from './CohortDetails.module.css';

function CohortDetails({ name, status }) {

const statusColor = status === 'ongoing' ? 'green' : 'blue';

return (

<div className={styles.box}>

<h3 style={{ color: statusColor }}>{name} - {status}</h3>

<dl>

<dt>Cohort Name</dt>

<dd>{name}</dd>

<dt>Status</dt>

<dd>{status}</dd>

</dl>

</div>

);

}

export default CohortDetails;

**App.js**

import React from 'react';

import CohortDetails from './CohortDetails';

function App() {

return (

<div>

<CohortDetails name="React Batch 1" status="ongoing" />

<CohortDetails name="Java Batch 2" status="completed" />

</div>

);

}

export default App;