**5.React-HOL**

**1. Understanding the need for styling React components**

Styling in React is essential to:

* Make the UI visually appealing and consistent
* Improve user experience and brand alignment
* Clearly indicate UI states like active, disabled, errors, etc.
* Separate concerns by organizing layout and visual design separately from logic

**2. Working with CSS Module and inline styles**

**CSS Modules:**

* Provide locally scoped CSS
* File extension: .module.css
* Prevent class name conflicts
* Used via import styles from './style.module.css'

**Inline Styles:**

* Apply CSS directly via style prop in JSX
* Accepts a JavaScript object, not a string
* Example:

<div style={{ color: 'blue', fontSize: '18px' }}>Hello</div>

**HANDS-ON**

**CODE: CohortDetails.module.css**

.container {

  display: flex;

  justify-content: space-around;

  flex-wrap: wrap;

  gap: 20px;

  margin: 20px;

}

.box {

  width: 300px;

  display: inline-block;

  padding: 10px 20px;

  margin: 10px;

  border: 1px solid black;

  border-radius: 10px;

  box-shadow: 2px 2px 10px rgba(0,0,0,0.1);

}

dt {

  font-weight: 500;

}

h3 {

  margin-bottom: 10px;

}

**CohortDetails.js**

import React from 'react';

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

function CohortDetails({ name, startDate, status, coach, trainer }) {

  const headingStyle = {

    color: status.toLowerCase() === 'ongoing' ? 'green' : 'blue'

  };

  return (

    <div className={styles.box}>

      <h3 style={headingStyle}>{name}</h3>

      <dl>

        <dt>Started On</dt>

        <dd>{startDate}</dd>

        <dt>Current Status</dt>

        <dd>{status}</dd>

        <dt>Coach</dt>

        <dd>{coach}</dd>

        <dt>Trainer</dt>

        <dd>{trainer}</dd>

      </dl>

    </div>

  );

}

export default CohortDetails;

**App.js**

import React from 'react';

import CohortDetails from './CohortDetails';

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

function App() {

  const cohorts = [

    {

      name: 'INTADMDF10 -.NET FSD',

      startDate: '22-Feb-2022',

      status: 'Scheduled',

      coach: 'Aathma',

      trainer: 'Jojo Jose'

    },

    {

      name: 'ADM21JF014 - Java FSD',

      startDate: '10-Sep-2021',

      status: 'Ongoing',

      coach: 'Apoorv',

      trainer: 'Elisa Smith'

    },

    {

      name: 'CDBJF21025 - Java FSD',

      startDate: '24-Dec-2021',

      status: 'Ongoing',

      coach: 'Aathma',

      trainer: 'John Doe'

    }

  ];

  return (

    <div>

      <h1 style={{ textAlign: 'center' }}>Cohorts Details</h1>

      <div className={styles.container}>

        {cohorts.map((cohort, index) => (

          <CohortDetails key={index} {...cohort} />

        ))}

      </div>

    </div>

  );

}

export default App;

**OUTPUT**

