**ReactJS Lab 5 – Assignment Answers**

**1. Understanding the need for styling React components**  
Styling React components is essential to make the application visually appealing and user‑friendly. Without styling, the UI would only present raw content without any structure or aesthetics.

* **Why styling is needed:**
  + To improve user experience with consistent colors, spacing, and layout.
  + To differentiate various parts of the UI visually.
  + To make the interface accessible and pleasant to interact with.

**2. Working with CSS Module**  
**CSS Modules** allow you to write CSS that is scoped locally to a component. This means styles defined in a CSS Module are available only to that component and do not leak globally.

* **Advantages:**
  + Prevents style conflicts.
  + Encourages modular and maintainable CSS.
* **Usage example:**

/\* CohortDetails.module.css \*/

.box {

border: 1px solid black;

padding: 10px;

}

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

<div className={styles.box}>Cohort Details</div>

**3. Applying styles to components using className and style properties**  
In React, you can apply styles in two main ways:

* **Using className:** Assign a CSS class to an element.

<div className={styles.box}>Styled content</div>

* **Using style property:** Inline styles are passed as a JavaScript object.

<h3 style={{ color: status === 'ongoing' ? 'green' : 'blue' }}>Cohort Status</h3>

By combining CSS Modules for reusable styles and the style prop for dynamic inline styling, React components can be styled efficiently and cleanly.