**React Js HandsOn-5**

**1.** **Understanding the need for styling react component**

Styling is essential in React just like in any web development framework because it helps to:

* Improve UI and UX – Makes components look polished and user-friendly.
* Reflect branding – Colors, fonts, and layouts represent your organization.
* Highlight component state – For example, changing button color on hover or click.
* Make UI responsive – Styling helps adapt components across screen sizes.

In React, styles can be applied using several methods like CSS files, CSS Modules, inline styles, styled-components, etc.

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

**1. CSS Modules**

**CSS Modules** allow you to write CSS in a way that is **scoped locally to the component**, avoiding class name conflicts.

**Example:**

**Step 1:** Create a file App.module.css

.heading {

color: blue;

text-align: center;

}

**Step 2:** Import and use it in App.js

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

function App() {

return <h1 className={styles.heading}>Styled with CSS Module</h1>;

}

**Benefits**:

* Local scoping (no class name collision)
* Great for large projects

**2. Inline Styles**

You can apply styles directly to elements using a JavaScript object.

**Example:**

function App() {

const headingStyle = {

color: 'green',

textAlign: 'center',

fontSize: '24px'

};

return <h1 style={headingStyle}>Styled with Inline Styles</h1>;

}

**Benefits**:

* Quick and dynamic
* Great for conditional or one-off styles