### 1. Understanding the Need for Styling React Components

In a React application, styling plays a critical role in enhancing user experience, visual presentation, and branding consistency. Unlike traditional HTML and CSS separation, React supports multiple ways of styling components, allowing for better modularity and reusability.

Key reasons to style React components:

* Improves the look and feel of your application
* Helps in maintaining visual consistency
* Enables better user interaction and engagement
* Promotes modular design using scoped styles

### 2. Working with CSS Modules

CSS Modules allow you to write traditional CSS but scoped locally to the component. This prevents global style conflicts and promotes component-based styling.

**Steps to use CSS Modules:**

1. Create a .module.css file (e.g., App.module.css)
2. Import it inside the component:

jsx

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

1. Use it like an object:

jsx

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<div className={styles.container}>Hello</div>

### 3. Working with Inline Styles

Inline styles are written directly inside the component using JavaScript objects. They are useful for dynamic styling or when using conditional logic.

**Example:**

jsx

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const style = {

color: 'blue',

fontSize: '20px',

};

function Hello() {

return <h1 style={style}>Hello, styled with inline styles!</h1>;

}

**Advantages:**

* Fully scoped
* Easily dynamic based on props/state

**Disadvantages:**

* No pseudo-classes (e.g., :hover)
* No media queries directly