**Class Component Lifecycle:**

1. **Mounting Phase:**
   * **constructor():** Initializes the component, and is called before it is mounted.
   * **componentWillMount():** Deprecated. Called just before the component is about to mount.
   * **render():** Renders the component.
   * **componentDidMount():** Called after the component is successfully mounted in the DOM.
2. **Updating Phase:**
   * **shouldComponentUpdate(nextProps, nextState):** Determines if the component should re-render or not.
   * **componentWillUpdate(nextProps, nextState):** Deprecated. Called just before the component is about to update.
   * **render():** Renders the updated component.
   * **componentDidUpdate(prevProps, prevState):** Called after the component has been updated in the DOM.
3. **Unmounting Phase:**
   * **componentWillUnmount():** Called just before the component is unmounted and destroyed.

**Functional Component with Hooks:**

Functional components can also manage state and lifecycle events using Hooks. The **useEffect** Hook is a key component in handling lifecycle events in functional components:

1. import { useEffect } from 'react';

function MyComponent() {

useEffect(() => {

return () => {

};

}, []);

}

1. import { useEffect } from 'react';

function MyComponent({ prop }) {

useEffect(() => {

return () => {

}; }, [prop]);

1. import { useEffect } from 'react';

function MyComponent() {

useEffect(() => {

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};

}, []);

}