Module - 4 Lists and Hooks

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❖ **Explain life cycle in class component and functional component with Hooks.**

➔ The three phases are : Mounting, Updating, and Unmounting.

1. Mounting : Mounting means putting elements into the DOM.

   mounting a component :

   1. constructor()
   2. getDerivedStateFromProps()
   3. render()
   4. componentDidMount()

2. Updating : The next phase in the lifecycle is when a component is updated.

   A component is updated whenever there is a change in the component's state or

   props.

   Updating a component :

   1. getDerivedStateFromProps()
   2. shouldComponentUpdate()
   3. render()
   4. getSnapshotBeforeUpdate()
   5. componentDidUpdate()

3. Unmounting : The next phase in the lifecycle is when a component is removed

   from the DOM, or unmounting as react likes to call it.

   Unmounting a component :

   1. componentWillUnmount()

LyfCycle.js :

```
import { Component } from "react";

class LyfCycle extends Component {
```

```
constructor(){

    super()

    this.state={

        count : 0

    }

    console.log('component init')

}

handle = () => {

    this.setState({

        count : 10

    })

}

componentDidMount(){

    console.log('component didmount')

}

render() {

    console.log('component render')

    return <>

        {this.state.count}

        <button onClick={this.handle}>Click</button>

    </>

}

componentDidUpdate(){

    console.log('component did update')

}
```

```
}


export default LyfCycle;
```

Output :