

## React Component Lifecycle (with Hooks)

### 1. Lifecycle Meaning in React

React Lifecycle ka matlab hai ke har component teen important stages se guzarta hai:

- Mounting (jab component render hota hai)
- Updating (jab props ya state change hoti hai)
- Unmounting (jab component destroy hota hai)

Yeh lifecycle humein control deta hai ke hum kab kya code chalayein - API call, cleanup, etc.

### 2. Lifecycle with Hooks (useEffect)

React functional components mein lifecycle ko control karne ke liye hum useEffect hook ka use karte hain.

Mounting:

```
useEffect(() => {  
  console.log('Component mounted');  
}, []);
```

Updating:

```
useEffect(() => {  
  console.log('Component updated');  
}, [dependency]);
```

Unmounting:

```
useEffect(() => {  
  return () => {
```

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```
    console.log('Component will unmount');  
  
  };  
  
}, []);
```

### 3. Summary

React Lifecycle ka samajh hona zaroori hai taake aap apne components ko clean, efficient aur bug-free bana sakein.

useEffect hook is core tool for this. Lifecycle ka matlab sirf code likhna nahi, balkay smart tarike se code manage karna hai.