



REACT HOOKS

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- 👉 Special built-in functions that allow us to **"hook"** into **React internals**:
 - 👉 Creating and accessing **state** from Fiber tree
 - 👉 Registering **side effects** in Fiber tree
 - 👉 Manual **DOM selections**
 - 👉 Many more...
- 👉 Always start with **"use"** (useState, useEffect, etc.)
- 👉 Enable easy **reusing of non-visual logic**: we can compose multiple hooks into our own **custom hooks**
- 👉 Give **function components** the ability to own state and run side effects at different lifecycle points (before v16.8 only available in class **components**)





OVERVIEW OF ALL BUILT-IN HOOKS

🏆 MOST USED

- ✅ useState
- ✅ useEffect
- 👉 useReducer
- 👉 useContext

📦 LESS USED

- 👉 useRef
- 👉 useCallback
- 👉 useMemo
- 👉 useTransition
- 👉 useDeferredValue
- ❌ useLayoutEffect
- ❌ useDebugValue
- ❌ useImperativeHandle
- ❌ useId

📁 ONLY FOR LIBRARIES

- ❌ useSyncExternalStore
- ❌ useInsertionEffect

👉 As of React v18.x

- ✅ Have learned
- 👉 Will learn
- ❌ Will not learn

👉 RULES OF HOOKS

1 Only call hooks at the top level

- 👉 Do **NOT** call hooks inside **conditionals**, **loops**, **nested functions**, or after an **early return**
- 👉 This is necessary to ensure that hooks are always called in the **same order** (hooks rely on this)

2 Only call hooks from React functions

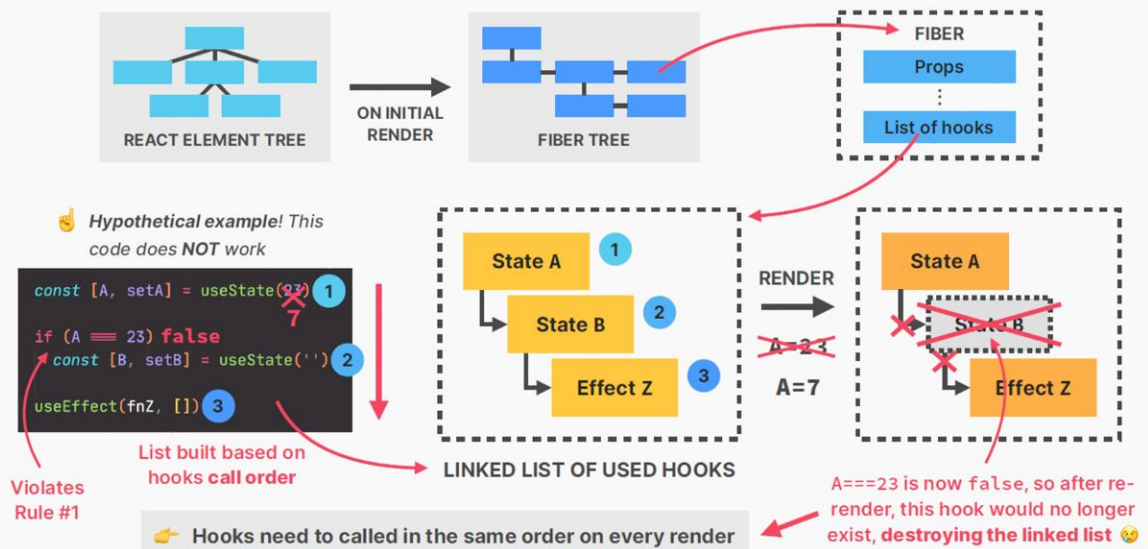
- 👉 Only call hooks inside a **function component** or a **custom hook**

👉 These rules are **automatically enforced** by React's ESLint rules

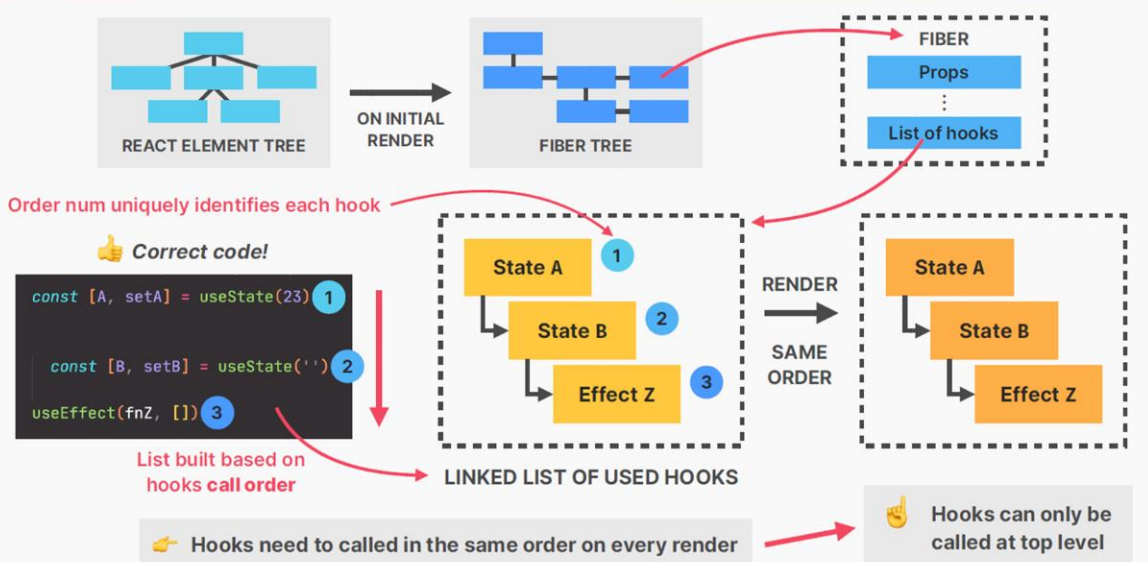




HOOKS RELY ON CALL ORDER



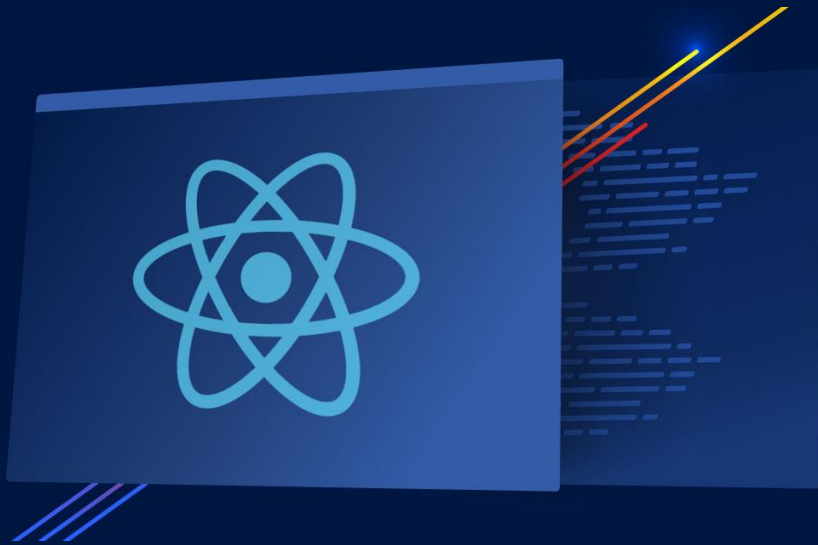
HOOKS RELY ON CALL ORDER





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