

# React Hooks

## ( In a nutshell )

# 1. useState

➡ Used to create the state for our application and it also returns a function which is used to update the state

## 2. useEffect

➡ Used to perform side effects e.g, API calls. This hook gets called when component first mounts on the DOM

### 3. useRef

➡ This hook is helpful when we need to access any DOM element and modify it.

Example - Focus an form input on page load

## 4. useContext

➡ This hook is helpful when you're working with Context API. To avoid the problem of props drilling we use context API



## 5. useReducer

➡ It is used to handle more complex state logic. It works similar to Redux like creating reducer functions & dispatching actions

## 6. useCallback

➡ Memoize the entire function so it doesn't get created on every render. This improves the performance as the memoized function is used on re-renders

## 7. useMemo

➡ Memoize the return value from the function so it doesn't run on every render. This way React doesn't need to do additional computation when running the function



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