



hiii **CheatSheet of useEffect**

React Hook #1 useState Hook : <https://youtu.be/zA0vgrt3Vsg>

React Hook #2 useEffect Hook : <https://youtu.be/wx5R0xRp05w>

What is useEffect Hook?

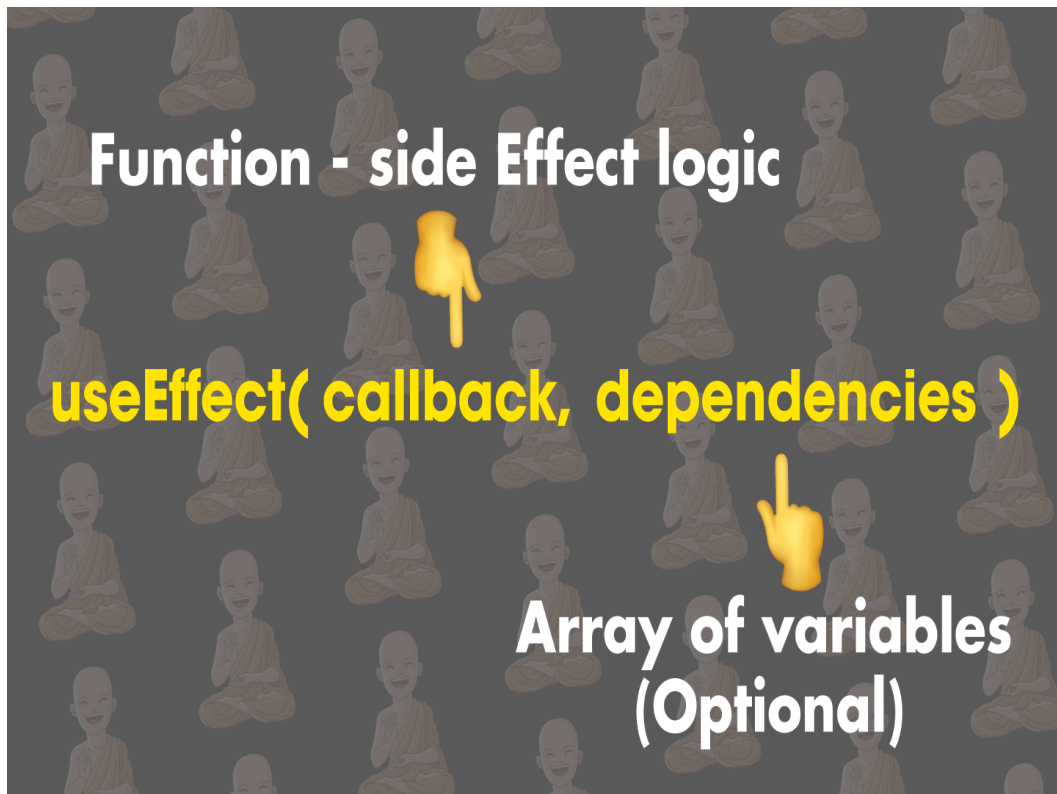
- useEffect Hook is one of the most Important Hook in all React Hook.
- It is run on render and anything changes in that component.
- It is a function to perform side-effects in Functional Components.

What is Side Effect?

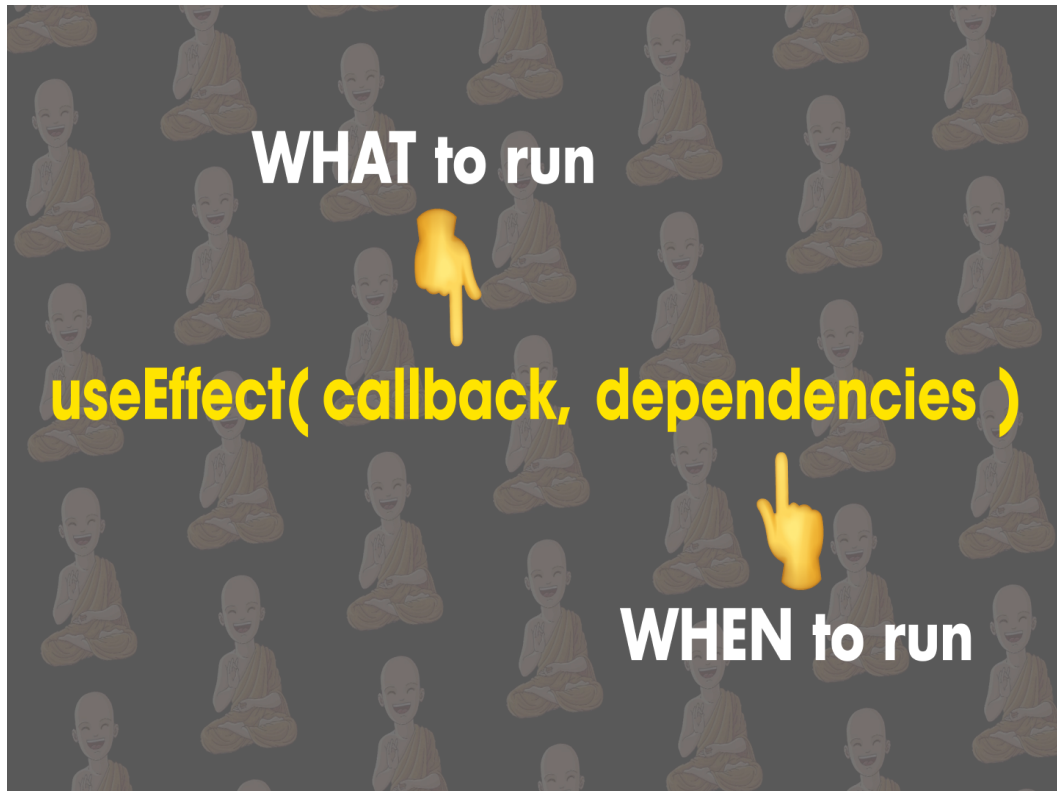
Side effects are actions which are performed with the "Outside world" Like -

- Fetching data from API or Backend
- directly updating the DOM - document or window object
- and timer functions - setTimeout or setInterval.

UseEffect has 2 Arguments :



Shortcut for remember:



3 Variation of useEffect Hook

1. useEffect without any dependencies - it runs with first render and also run on any thing changes in that component.
2. useEffect with an empty array - it runs only on first render. Useful for Fetching data.
3. useEffect with variables - it runs on first render and then any variable that we pass in dependency change it will run.

Clean-up Function in useEffect

- If we are setting state using `setInterval` and that side effect is not cleaned up, when our component unmounts or we're no longer using it, the state is destroyed with the component – but the `setInterval` function will keep running. and that's make our application slow and low in performance.
- To use clean-up function we need to run return function in useEffect. Timeouts, subscriptions, event listeners, and other effects that are no longer needed should be disposed with the help of cleanup function.

Example of Clean up Function

```
import React, { useEffect, useState } from "react";

const App = () => {
  const [count, setCount] = useState(0);

  useEffect(() => {
    console.log("Run useEffect", count);

    return () => { // clean-up function
      console.log("Clean up", count);
    };
  }, [count]);

  return (
    <>
      <h3>Count {count}</h3>
      <button onClick={() => setCount(count + 1)}>Increase</button>
    </>
  );
}
```

```
    </>  
  );  
};  
  
export default App;
```

Thanks for Reading 😊

~ CODE BLESS YOU