

Now we are talking about useEffect Hooks which is used in functional component as a lifecycle method you can ask that like there are manty lifecycle methods so for all there are different hooks or that useEffect hook is the only one. yes for all life cycle there is specific hook that is useEffect. Inside it we pass some condition or parameters and we by manipulating it we use it for all lifecycle methods

Now next question you will ask that are we studying lifecycle method or useEffect hook. You don’t have to be confused here Gangadhar hi Shakti man hain means whenever inside functional component we need to use lifecycle methods you need to use useEffect and you cannot use it inside class component Inside class method you need to type methods for reach lifecycle but as the teacher told in last lesson or second last lesson that class component are not used often we use only functional component So we will not focus there we will focus only on useEffect and we are going to see in next upcoming lessons that how we can use it by different ways. How to use it just for mounting , How to use it for updation and to use it for unmounting we will see this in upcoming lesson Now lets start with points as shown in upper screenshot at the top

At first teacher will tell us that What is useEffect Hooks Tracher has already told us about it and again teacher will explain it because it can be confusing for beginners and second point is that we will see How to use it. Teacher will tell it practically by writing a code. This point is that we will see it how to use it for mounting phase and How to use it like componentdidMount ( lifecyle method(maybe not) in class component ) . It is a very important point it is often asked in Interview when this will come when we will be doing coding then teacher will tell it and at last we will cover some interview question So start with first question that is what is useEffect Hooks.

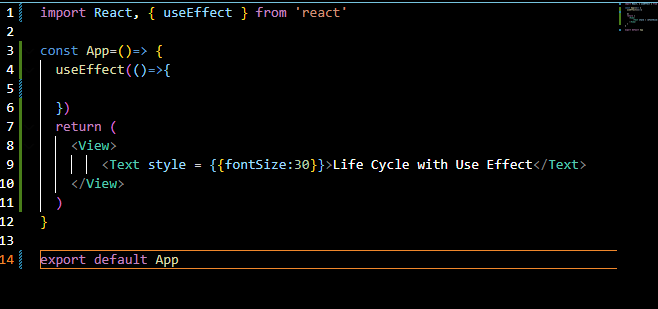
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Whenever someone ask you what is useEffect Hook then you can simply say that inside the functional component we cannot use lifecycle method directly so whenever we want to use lifecycle method in functional component then we use useEffect Hook. Now how do we use this teacher will tell this. Even in some part of this lesson and in upcoming two or three lesson it will be perfectly clear is he has told you everything in one lesson then you would have confused and you interview question could not be covered

It is very simple to us it by the way

We have used hooks in case of state previously

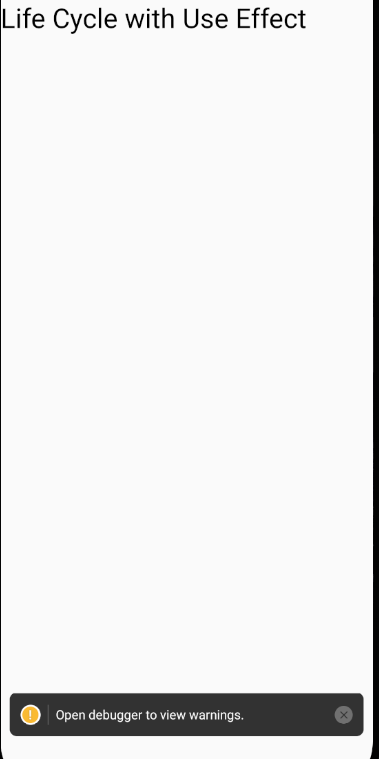
Now what we will do is use useEffect in the starting of the function App(Component)



And we will import it from react as shown above in the starting of line

And now in the useEffect it is like a method and we pass it a callback function

Now whatever we write in the callback method suppose we write console.warn(“Hello”). It will be printed, suppose we write hello Now when we save the file then our app component get mounted in UI again Now you can see the output as shown below



You can see the warning as shown below open the debugger you will see hello is written there

So new call this useEffect function as hook Now whenever in your component anything is updated or it is mounted then it will automatically called like it is called now because we did not call these function it was called automatically

Now we will add a button in our UI and give it title updateCount

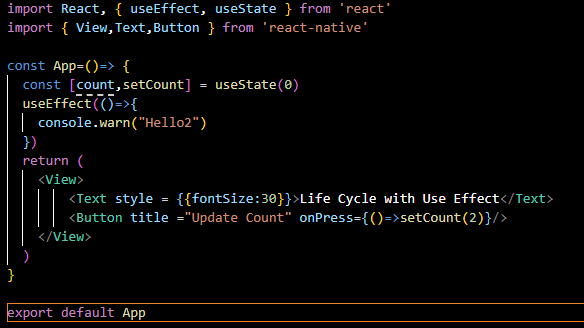
Now we make a state of name count and method setCount to update it and we give the state a default value of 0.

And now what we do is add onPress on the button an pass it callback function in which we write setCount in it and pass it 2 integer to update count state

Now when we save our file then we save it and hen we save it the watchman(who knows) runs and component gets mounted and the wsarnig happens of hello

Now when we click on update Count then we get the warning again

Now our code will look like below



So it means that in useEffect that whenever your prop changes or state change you can say make the prop change Teacher will tell us later other wise that teacher is trying to tell will be delayed so we will talk about it later

**Note:-**

I have observed that update mechanism of native or react is very strong such as that when there is significant change in the code then the useEffect runs or if even if the new value of state matched with old value then useEffect will not run

So first of all our component will be mounted or load(for novice) then first time and then in your component any state or prop will be updated then this useEffect will be called

Now you will say OK that when we click the button then state changes and useEffect is called OK

But actually what is its use

Lets say now when you component get loaded then dynamic data should come by fetching through API then you can write that code here. Before loading your component you need to check is the user is loggedin or not then you can check here.

Whatever you need before loading component so that you can redirect it and can perform any action then you can do so like calling API. Now suppose you want a data in a Table Now when you will load your component then where you will call the API you cannot call it in return( I don’t think so ) if you call It in button onPress then you have to click button first then you call that API inside that useEffect as you component get loaded then your data is loaded but there is problem that suppose that If we update anything there then that work will happen again because useEffect callback is bring called again an again then how to fix this.

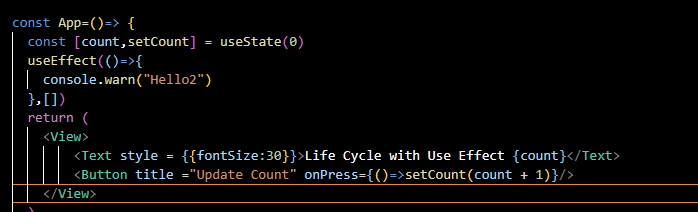
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To fix this s question teacher asked in starting that is to use lifecycle method does we have different hooks or not we have only one hook that is useEffect inside it we pass some parameters or condition as the teacher has said By mounting we mean that we want to use or call this useEffect whenever our component get loaded and other thing like we do updation by any means then useEffect should not be called The simple way to that is pass second parameter to it that is empty array.

Now when you do such think then useEffect understand that it will be called when that component will be mounted After this is a state changes then it should not be called at all.



Now when you click on the button no warning will be there as shown above Now you must be saying that we have just called passed static value that is 2 and no new value is updated so that’s why no warning is there(according to code ) so we will make the logic such that the count will increase with every button click and even then we see no warning will be seen with button click



**Note:-**

I have observed that maybe in react native that when we save and there is updation then the state remains and if you want to make the state start from initial value then reload it by ctrl + m and then to reload in submenu opened

In next part teacher tells us that if we want to use it only in update by update we mean in our component a state or prop will be updated then this will be called otherwise it should not be called then how we will do that

Even teacher will also tell us that suppose you have 5 state and you want to use this useEffect only for updation of two or three state updates and it should not be called for every update of every state and the same for prop and teacher will told this in upcoming lesson

Now there was another point that is **useEffect** as **componentDidMount**

Now by componentDidMount we mean when our component has mounted

This componentDidMount is actually a lifecycle method in class based component and if someone ask that how you can useEffect as componentDidMount then by that we mean that it will not work on any case it will only work only when your component get loaded and got mounted it is working only in that case then we have handled it first by passing empty array in the second parameter of useEffect

Now in next lesson we will see its update phase