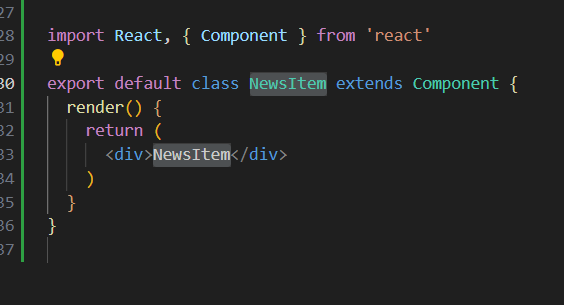
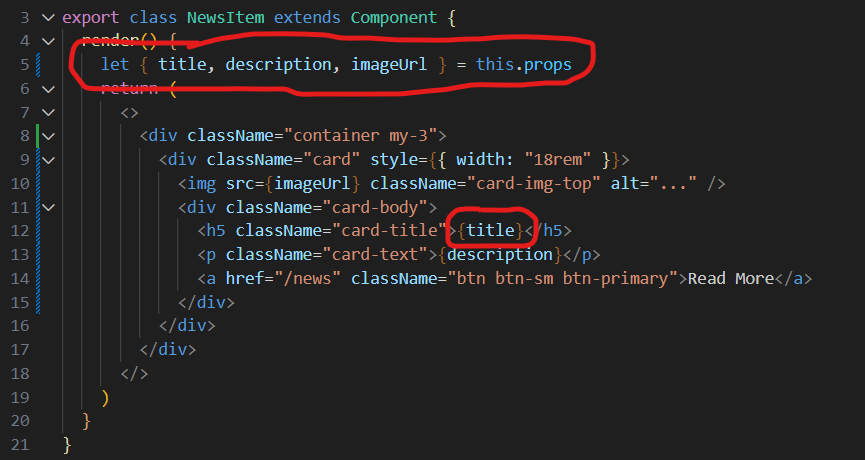
**NEWSAPP**

In this project we started the creating comonents using class based components

Basic structure is like



To pass props we need to declare variables and assign **this.props** which it got from the point where the component is called .

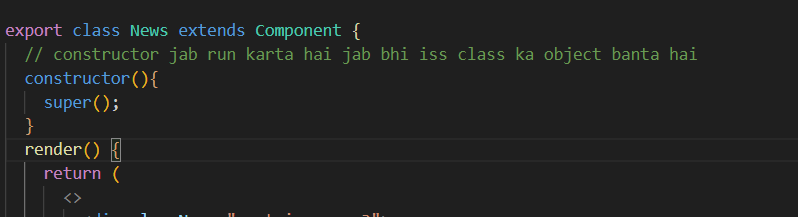


constructor jab run karta hai jab bhi kisi class ka object banta hai

for example jab hum ek component ko call krte hain dusre component k andar toh uss component k andar ka constructer run krta hai.

Hum state ka concept bhi issi se implement krte hain

***\*Yeh class based component main render k upar likha jata hai!!***

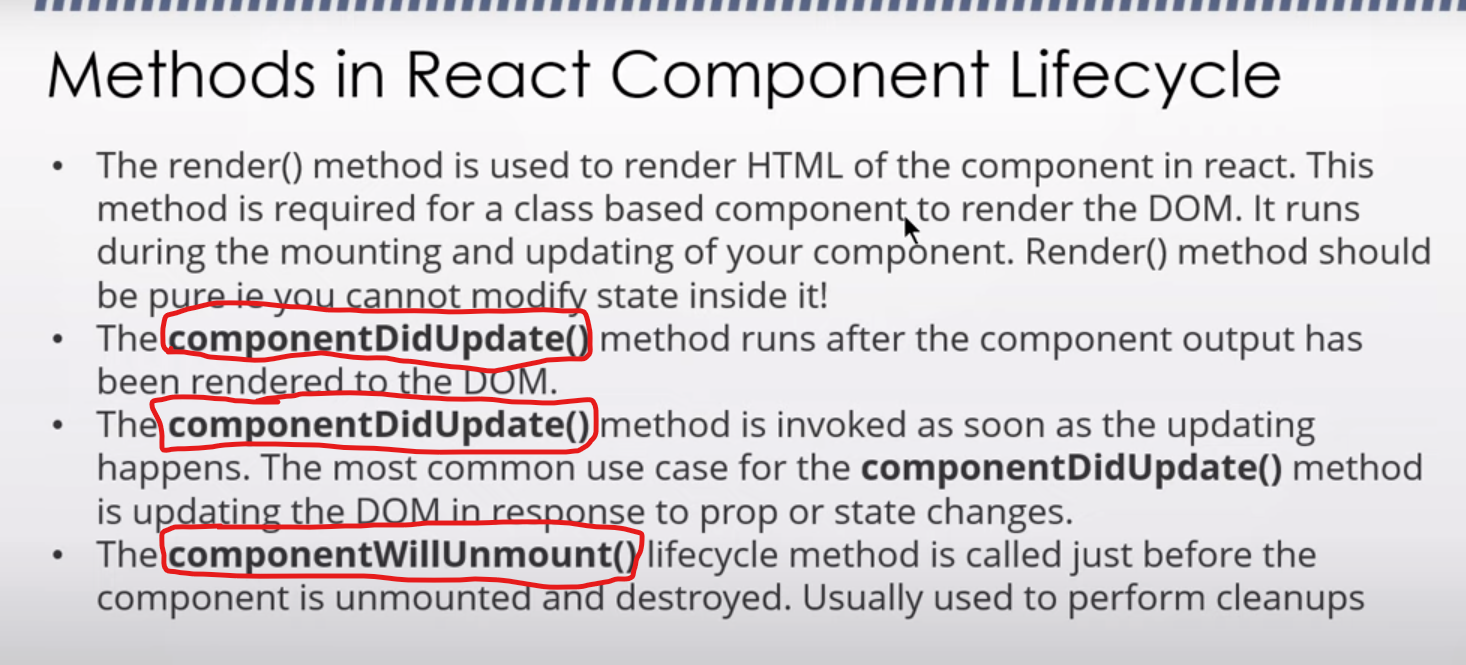


***So we’ve to decide to whether to use state or props?***

***Props are used to communicate between components. States can be used for rendering dynamic changes with the component.***

***Basically we use state when we want to change it dynamically without reloading the page. We cant’t change props again and again they’re like read-only***

**React Component Lifecycle** 

**Methods React Component Lifecycle** ****

***\*We can’t update the state inside the render method***

**As far as I’ve concluded**

**Props in class based component**

Props jo hain unhe component k saath aise bheja jata hai **apiKey={this.apiKey}**

For example:

<News apiKey={this.apiKey}/>

Aur voh receive hote hain component side pr by initially importing

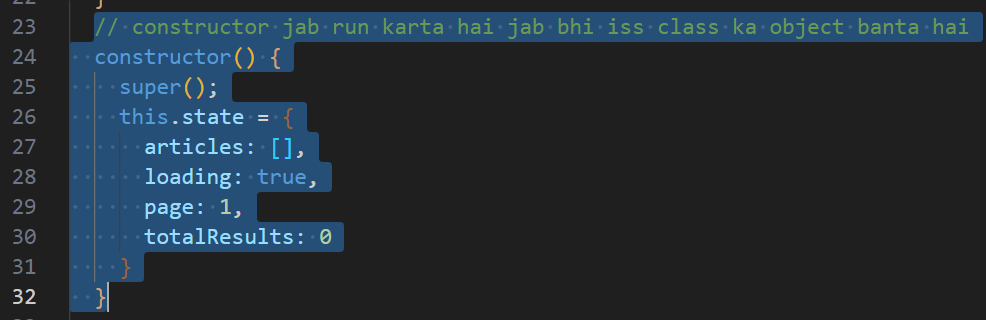
**“import PropTypes from 'prop-types’”** in the component it is send i.e. News.js

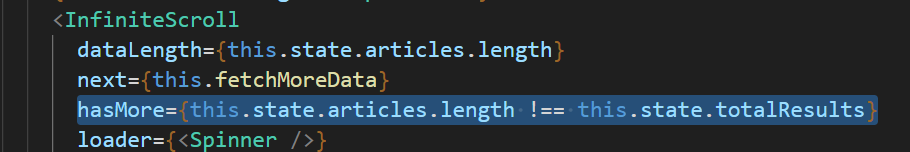
Then un props ko jahan bhi use kro bas “**this.props.apiKey”**  krke krlo

**states in class based components**

we don’t have to import anything like props we start by creating a constructor just below the class component heading

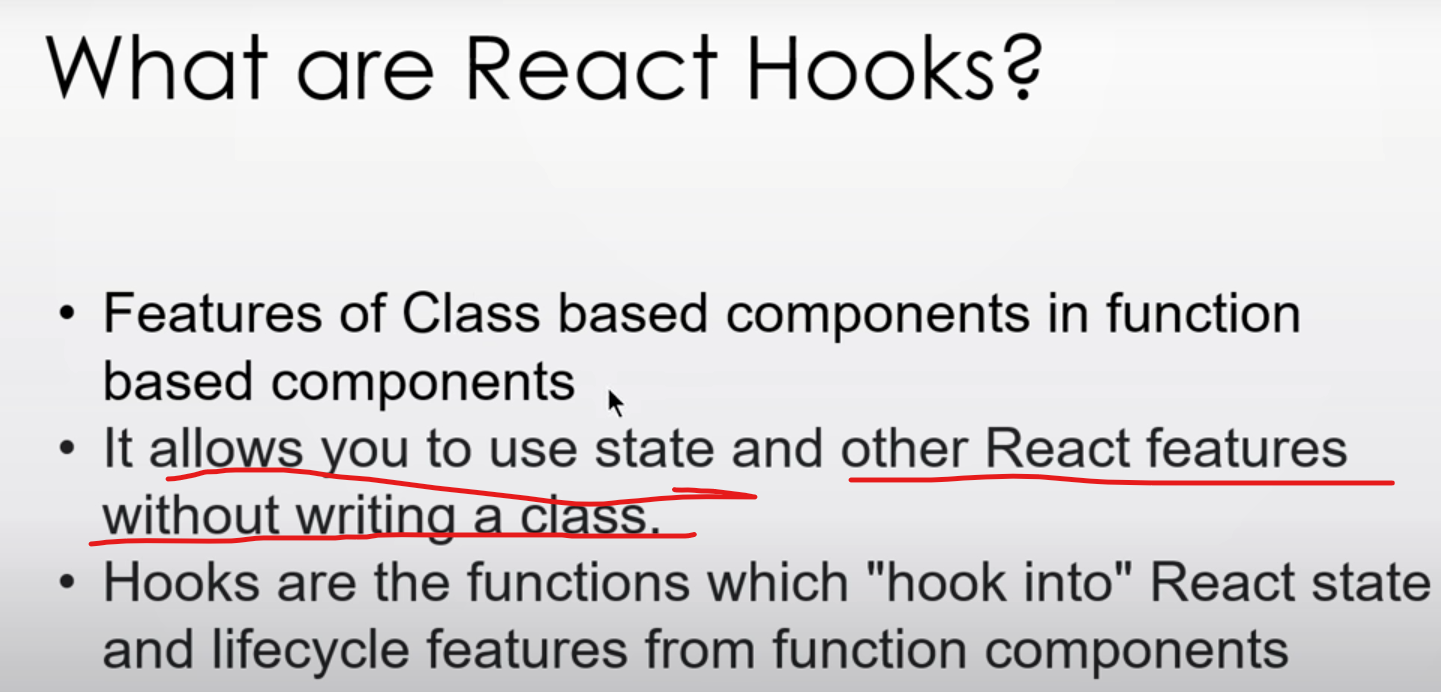
// constructor jab run karta hai jab bhi iss class ka object banta hai



Then we can use them using **“this.state.statekaitem” **

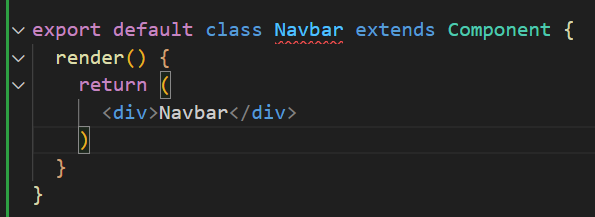
and **update** them using **“this.setState.itemkanaam({item: value to be added});**

****

****



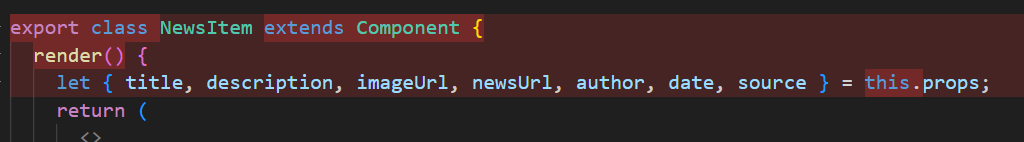
**Converting class based components to function based components**

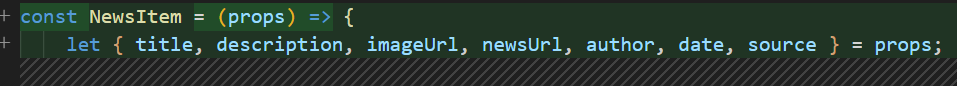
This 

Get converted to this

 notice here how class gets converted to function and render is removed.

***Props***

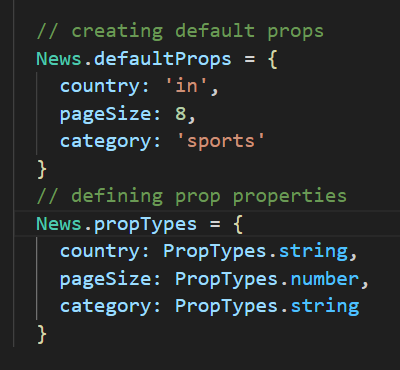
For props in class based component which were received as **this.props**

In function based component is received just by writing **props** and passing it as **argument** in function of the function based component

***Proptypes***

Then **defaultProptype and staticProptype**  which are declared at the **top** in the class based component 

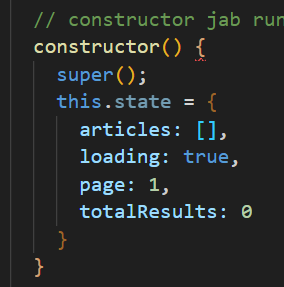
Are declared at the **bottom and outside of the function** in function based component with **function name dot proptype**



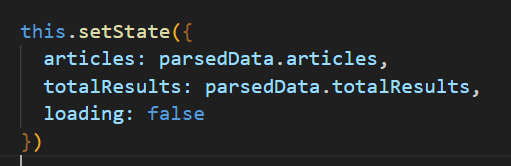
***useEffect hook***

First import it 

***States***

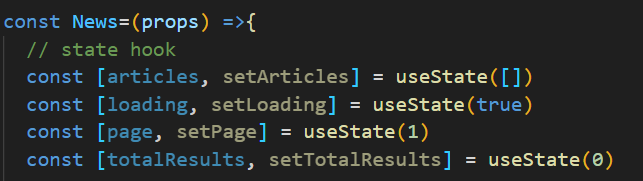
in class based component we used constructor based state 

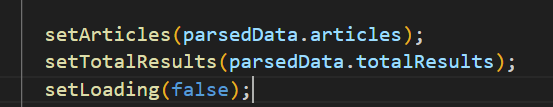
and they were updated using **setState({})**

****

In function based component for state we use ***useState hook***

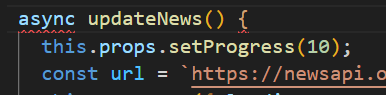
first import it 

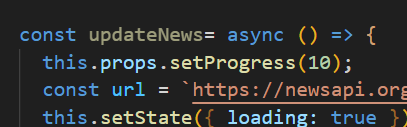
then we create states for it below function with there intial values and there updation functions 

and then they’re updated using 

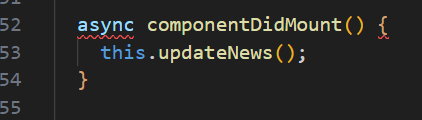
***Functions***

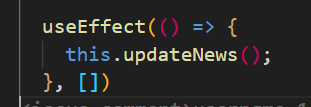
function we declared in class based component was like this



But in function based component we use arrow functions 

***Lifecycle method***

******

In function based component it is utilized using **useEffect hook** ****