

# State Management

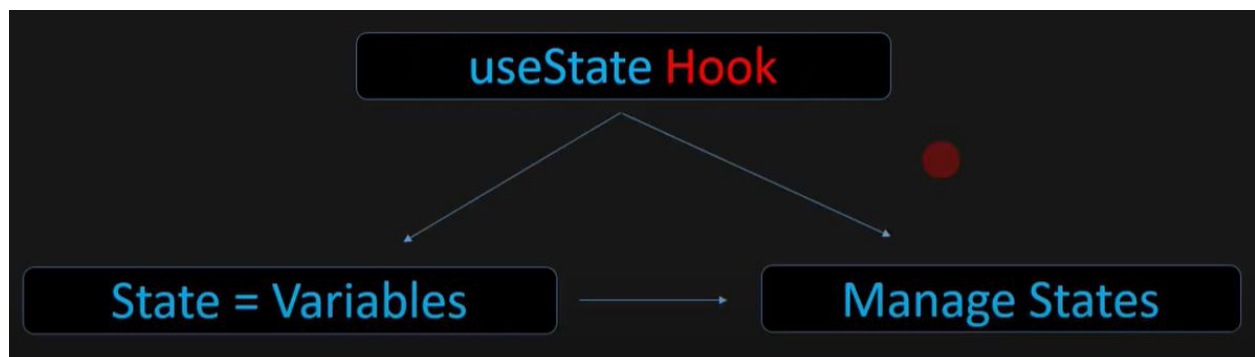
useState Hook

## useState Hook

In other words, state is a dynamic data storage that provides a mechanism for components to manage, keep track of changing data, and trigger re-rendering when it is updated. Due

.

What is the useState Hook? useState is React Hook that allows you to add state to a functional component. It returns an array with two values: the current state and a function to update it. The Hook takes an initial state value as an argument and returns an updated state value whenever the setter function is called. 7 Feb 2023



## Syntax

```
Const [state, setState] = useState()
```

State = Variable

setState → used to manipulate the city like updating deleting and something

```
import React, { useState } from 'react'
```

Import

```
const Example = () => {
```

```
  const [ state, setState] = useState()
```

Syntax

```
  return (  
    <div>Example</div>  
  )  
}
```

1:23 / 7:16

## Example

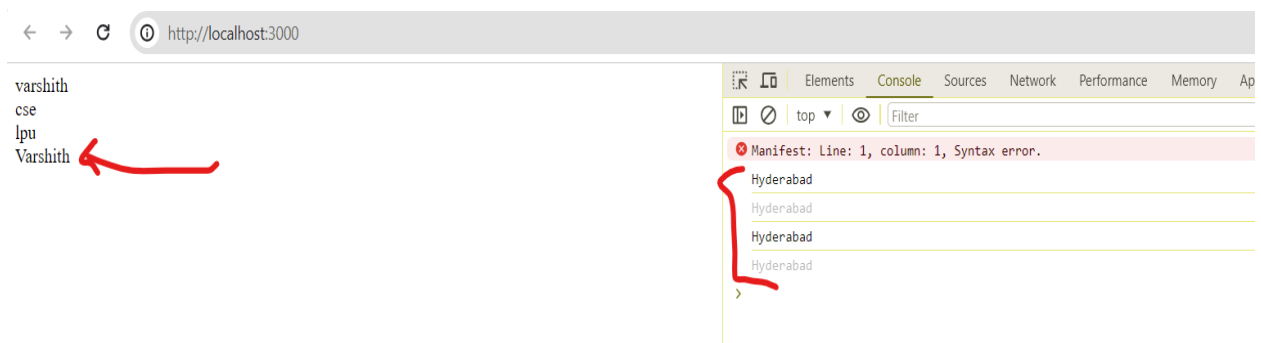
```
Const [state, setState] = useState()
```

```
Const [city, setCity] = useState("Hyderabad")
```

city (Variable) = Hyderabad

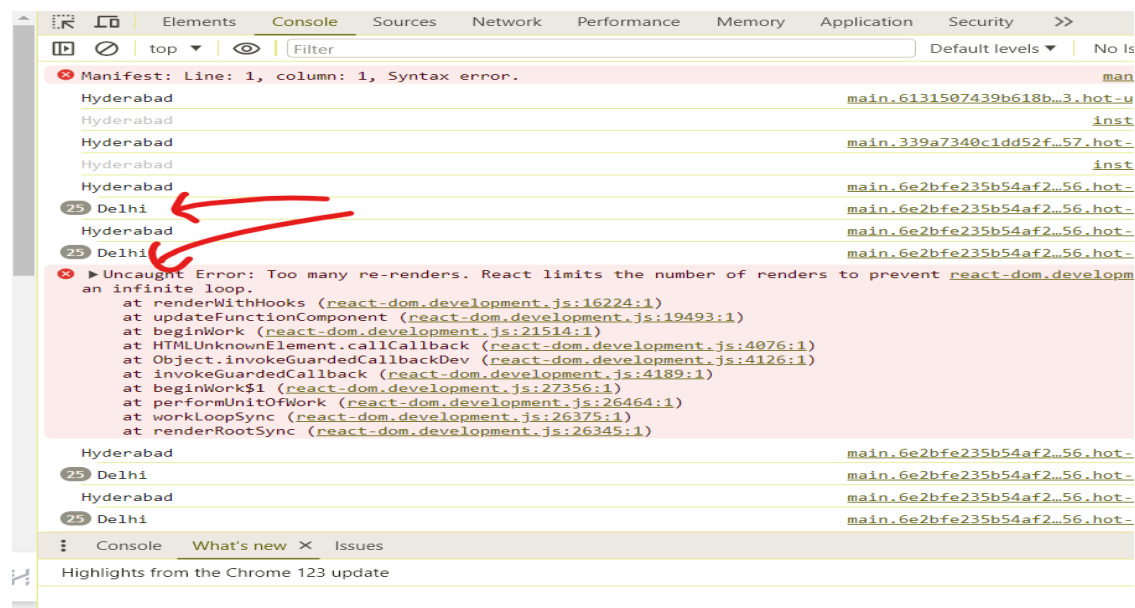
```
JS App.js M # App.css FirstComp.jsx U StateMg.jsx U JS index.js M
src > StateMg.jsx > StateMg
1 import React from "react";
2 import { useState } from "react";
3
4 const StateMg = () => {
5
6   const [state, setState] = useState("Hyderabad");
7
8   console.log(state);
9   return <div>Varshith</div>;
10 };
11
12 export default StateMg;
13
```

Import and render it on App.js



To change City from **HYDERABAD TO DELHI** it possible by using **setState**

```
c > StateMg.jsx > [StateMg]
1  import React from "react";
2  import { useState } from "react";
3
4  const StateMg = () => {
5    const [state, setState] = useState("Hyderabad");
6
7    setState("Delhi");
8
9    console.log(state);
10
11   return <div>Varshith</div>;
12 };
13
14 export default StateMg;
15
```



Output plus some errors  
we will learn how to rectify in later classes