

## WHAT ARE HOOKS

In other words, Hooks are functions that make **Functional components** work like **Class components**.

BEFORE HOOKS DEVELOPERS WILL USE CLASS COMPONENTS AT THAT TIME WERE FACED LOT OF PROBLEMS -> HOOKS RECTIFIED ALL THAT ERRORS

React Hook Number 01  
**useState Hook**

### **What is useState?**

useState Hook is a function to **add State** in Functional Component.

### **What is state?**

State is nothing but just **values or variables** of your component.

## Example

when we click on counter → number increase by 1

```
import './App.css';
import React, { useState } from 'react';

function App() {
  //defining usestate
  const [counter, setCounter] = useState(0);

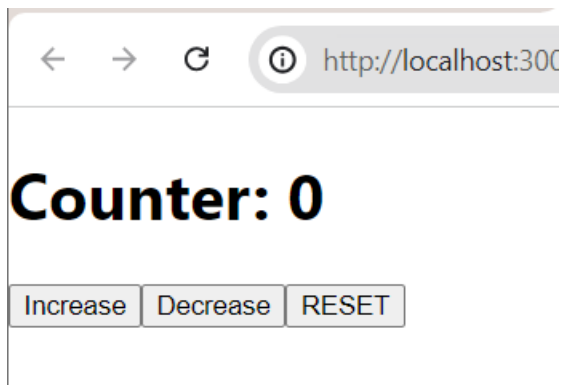
  function increaseCounter() {
    setCounter(counter + 1);
  }

  function decreaseCounter() {
    setCounter(counter - 1);
  }

  function reset() {
    setCounter(0);
  }

  return (
    <div>
      <h1>Counter: {counter}</h1>
      <button onClick={increaseCounter}>Increase</button>
      <button onClick={decreaseCounter}>Decrease</button>
      <button onClick={reset}>RESET</button>
    </div>
  );
}

export default App;
```



## EXAMPLE TAKING INPUT FROM THE USER

```
import './App.css';
import React, { useState } from 'react';

function App() {
  //defining usestate
  const [name, setName] = useState("");

  return (
    <div>
      <h1>my name is : {name}</h1>
      <input type="text" onChange={(e)=>setName(e.target.value)}/>
    </div>
  );
}

export default App;
```

**my name is : varshith**

**default value**



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