

# REACT COMPONENTS

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There are many other libraries which use components

React has 2 type of components

# Functional

```
1 function Welcome(props) {  
2   return <h1>Hello, {props.name}</h1>;  
3 }
```

# Functional

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1 function Welcome(props) {  
2     return <h1>Hello, {props.name}</h1>;  
3 }
```

```
1 const Welcome = (props) => {  
2     return <h1>Hello, {props.name}</h1>;  
3 }
```

# Functional

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2   return <h1>Hello, {props.name}</h1>;  
3 }
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1 const Welcome = (props) => {  
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3 }
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```
1 const Welcome = (props) => <h1>Hello, {props.name}</h1>;
```

# Class based

```
1 class Welcome extends React.Component {  
2   render() {  
3     return <h1>Hello, {this.props.name}</h1>;  
4   }  
5 }
```

```
1 class Welcome extends Component {  
2   render() {  
3     return <h1>Hello, {this.props.name}</h1>;  
4   }  
5 }
```



# Class based

```
1 class Clock extends React.Component {  
2   constructor(props) {  
3     super(props);  
4     this.state = { class: 'FBW6' }  
5  
6   render() {  
7     return (  
8       <div>  
9         <h1>Hello, class {this.state.class}!</h1>  
10      </div>  
11    );  
12  }  
13 }
```

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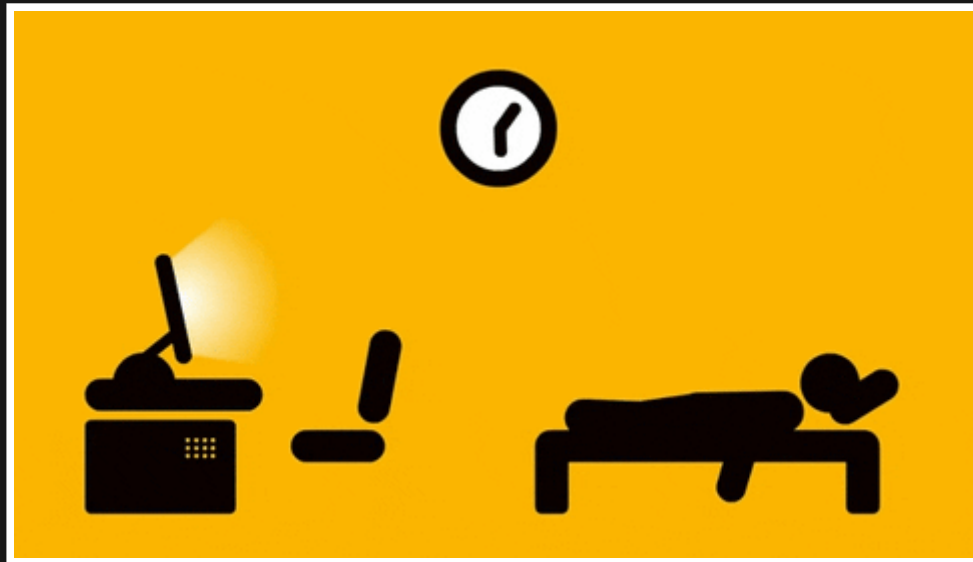
Honestly, it's not very clear

It used to be that you only used **functional** components if you didn't need component state

But since the release of React Hooks, the line is blurred

- Hooks allow functional components to store state

# Lifecycle methods



Every component has a lifecycle

Lifecycle methods are functions which are called when  
certain time

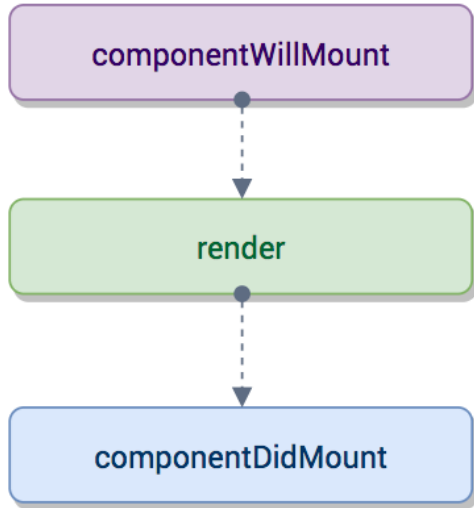
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Lifecycle essentially refers to the "birth", "life" and "death" of the component

Lifecycle methods are functions which are called when certain time

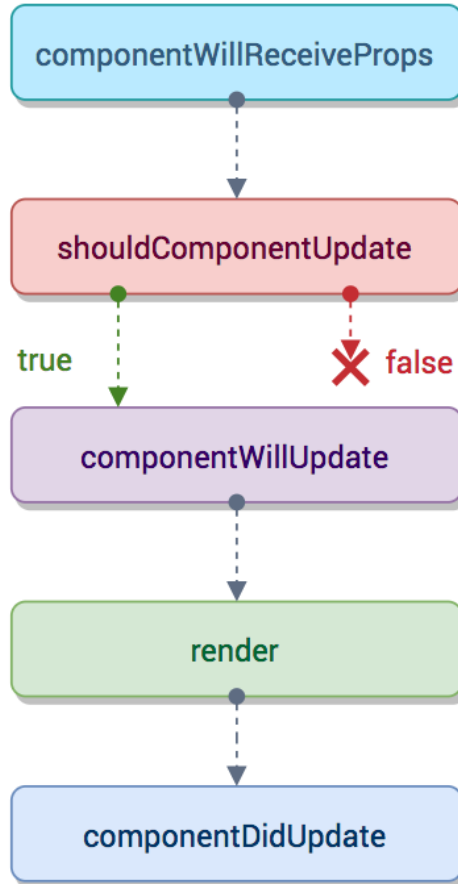


## Mounting

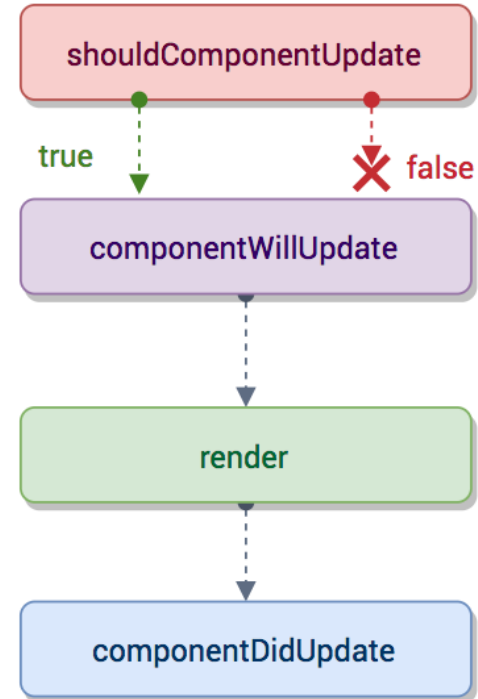


## Updation

### props



### states



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- It helps us understand what the component is doing
- It gives us control over the component at different stages in its life
- By understanding lifecycles, we can understand React Hooks better

Only with class components can we use lifecycle methods directly

For functional components, we can not use lifecycle methods, but instead (since 2018/19) we use React Hooks