

React 入门指南

React是用于构建用户界面的JavaScript库

React的特点：

- 声明式写法
- 组件化
- 跨平台（React,React Native）

React 组件类型

- class 组件
- function 组件

声明组件

组件

function写法

```
1 | function MyButton() {  
2 |   return (  
3 |     <button>I'm a button</button>  
4 |   );  
5 | }
```

class写法

```
1 | class MyButton extends React.Component {  
2 |   render() {  
3 |     return <button>I'm a button</button>;  
4 |   }  
5 | }  
6 |
```

注：以下代码均使用function写法

*有状态（state）组件

```

1  import { useState } from 'react';
2
3  export default function MovingDot() {
4    const [position, setPosition] = useState({
5      x: 0,
6      y: 0
7    });
8    return (
9      <div
10        onPointerMove={e => {
11          setPosition({
12            x: e.clientX,
13            y: e.clientY
14          });
15        }}
16        style={{
17          position: 'relative',
18          width: '100vw',
19          height: '100vh',
20        }}>
21        <div style={{
22          position: 'absolute',
23          backgroundColor: 'red',
24          borderRadius: '50%',
25          transform: `translate(${position.x}px, ${position.y}px)`,
26          left: -10,
27          top: -10,
28          width: 20,
29          height: 20,
30        }} />
31      </div>
32    )
33  }

```

组件调用

```

1  import React from 'react';
2  import MovingDot from 'MovingDot'
3  import MyButton from 'MyButton'
4
5  export default function App () {
6
7    return (
8      <>

```

```
9      <MovingDot />
10     <MyButton />
11   </>
12 )
13 }
14
```