

## React Hooks

### 1) useState()

```
export default function Parent() {  
  let [name, setName] = useState("");  
  let [age, setAge] = useState(18);  
}
```

Heap  
2500

3600

18

```
class Parent extends Component {  
  state = {  
    name: "",  
    age: 18  
  }  
  
  setName(arg) {  
    this.setState({  
      name: arg  
    })  
  }  
  
  setAge(arg) {  
    this.setState({  
      age: arg  
    })  
  }  
}
```

2)

## Avoid div pollute using React.Fragment

```
return <React.Fragment>  
  </React.Fragment>
```

```
return <div>  
  </div>
```

### 3) useReducer

```
export default function countReducer(state, action) {  
  switch(action.type) {  
    case 'INCREMENT':  
      return {  
        count: state.count + action.payload  
      }  
    case 'DECREMENT':  
      return {  
        count: state.count - 1  
      }  
    case 'CLEAR':  
      return {  
        count: 0  
      }  
    default: return state;  
  }  
}
```

```
const initialState = {  
  count: 0  
}
```

```
let [state, dispatch] = useReducer(countReducer, initialState);
```

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Heap

count : 0

