

```
3
4 export default function App() {
5   const [selectedID, setSelectedID] = useState( initialState: null);
6
7   function handleSelect(id) {
8     console.log( data[0]: 'App:handleSelect', data[1]: id);
9     setSelectedID(id);
10  }
11
12  console.log( data[0]: 'App', data[1]: selectedID);
13
14  return (
15    <div className="app">
16      <p>
17        Selected ID: <strong>{selectedID}</strong>
18      </p>
19      <Dummy
20        value="A"
21        id={1}
22        onSelect={handleSelect}
23        selected={selectedID === 1}
24      />
25      <Dummy
26        value="B"
27        id={2}
28        onSelect={handleSelect}
29        selected={selectedID === 2}
30      />
31    </div>
32  );
33 }
34
35 function Dummy({ value, id, onSelect, selected }) {
36   function handleClick() {
37     console.log( data[0]: 'Dummy:handleClick', data[1]: id);
38     onSelect(id);
39   }
40
41   console.log( data[0]: 'Dummy', data[1]: id, data[2]: selected);
42
43   return (
44     <div className={selected ? 'box selected' : 'box'}>
45       <span>{value}</span>
46       <button onClick={handleClick}>Select</button>
47     </div>
48   );
49 }
50
```

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```
1  import { useState } from 'react';
2  import './App.css';
3
4  export default function App() {
5    const [total, setTotal] = useState( initialState: 3);
6
7    function handleIncrement() {
8      console.log( data[0]: 'incremented a counter');
9      // from here we can update the total
10     setTotal(total + 1);
11   }
12
13   return (
14     <div className="app">
15       <p>Total count: {total}</p>
16       <Counter value={2} onIncrement={handleIncrement} />
17       <Counter value={1} onIncrement={handleIncrement} />
18     </div>
19   );
20 }
21
22 function Counter({ value = 0, onIncrement }) {
23   const [count, setCount] = useState( initialState: value);
24
25   function handleClick() {
26     setCount(count + 1);
27     onIncrement();
28   }
29
30   return (
31     <div className="box">
32       <span>Count: {count}</span>
33       <button onClick={handleClick}>Increment</button>
34     </div>
35   );
36 }
37
```

examples &gt; 20231206-react-state3-example0-controlled-state-minimal &gt; src &gt; BlogPost.jsx &gt; ...

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```
1 // Write a react function component called BlogPost that takes
2 // - a title and an author as props
3 // and returns an <article> with inside:
4 // - the title in an <h2>
5 // - the author in a <p>
6
7 export default function BlogPost({ title, author }) {
8   return (
9     <article>
10       <h2>{title}</h2>
11       <p>{author}</p>
12     </article>
13   );
14 }
15
```