

## W05-P1: Hooks Tutorial T14\_64

The screenshot shows a React application in development. On the left, the code editor displays the following code:

```
1 import React, { useState } from 'react';
2
3 const T14_64_UseStateObject = () => {
4   const [person, setPerson] = useState({
5     name: 'frankie',
6     age: 21,
7     message: 'random message'
8   });
9
10  const changeMessage = () => {
11    setPerson({...person, message: 'frankie, 208410364'});
12  }
13
14  return <>
15    <h3>{person.name}</h3>
16    <h3>{person.age}</h3>
17    <h4>{person.message}</h4>
18    <button className='btn' onClick={changeMessage}>change Message</button>
19  </>
20 };
21
22 export default T14_64_UseStateObject;
```

The browser on the right shows the rendered output:

Tutorial 14 - 208410380

Frankie

21

Frankie, 208410364

Change Message

The DevTools component inspector on the right shows the state object:

```
props
  new entry: ""
hooks
  1 State: {age: 21, message: "frankie, 208410364", name: "fra...}
rendered by
  App_64
  createRoot()
  react-dom@18.2.0
```

## W05-P2: T21\_64: useEffect 3 cases demo

The screenshot shows a React application in development. On the left, the code editor displays the following code:

```
1 import React, { useState, useEffect } from 'react';
2
3 // cleanup function
4 // second parameter
5 const T21_64_UseEffectBasics = () => {
6   const [value, setValue] = useState(0);
7   const [value2, setValue2] = useState(0);
8
9   // by default runs after every re-render
10  useEffect(() => {
11    console.log('value', value);
12  });
13
14  //run once
15  useEffect(() => {
16    console.log('loading...');
17  }, []);
18
19  //run when value2 changes
20  useEffect(() => {
21    console.log('value2', value2);
22    if(value2 > 0) {
23      document.title = `New Message ${value2}`;
24    }
25  }, [value2]);
26
27  return <>
28    <h1>{value}</h1>
29    <button className='btn' onClick={() => setValue(value+1)}>value+1</button>
30  </>
31 };
32
33 export default T21_64_UseEffectBasics;
```

The browser on the right shows the rendered output:

Tutorial 21 - 208410380

1

Value+1

2

Value2+1

The DevTools component inspector on the right shows the state object:

```
props
  new entry: ""
hooks
  1 State: {value: 1, value2: 2}
rendered by
  App_64
  createRoot()
  react-dom@18.2.0
```

## W05-P3: T23\_64: fetch data from Github and display them

**Tutorial 23 - 208410364**

Users displayed: Mojombo, Defunkt, Pjhyett, Wycats, Ezmobius.

DevTools Console: 1 Issue: 1. users: []

W05-P4: T31\_64: conditional rendering -- 3 cases

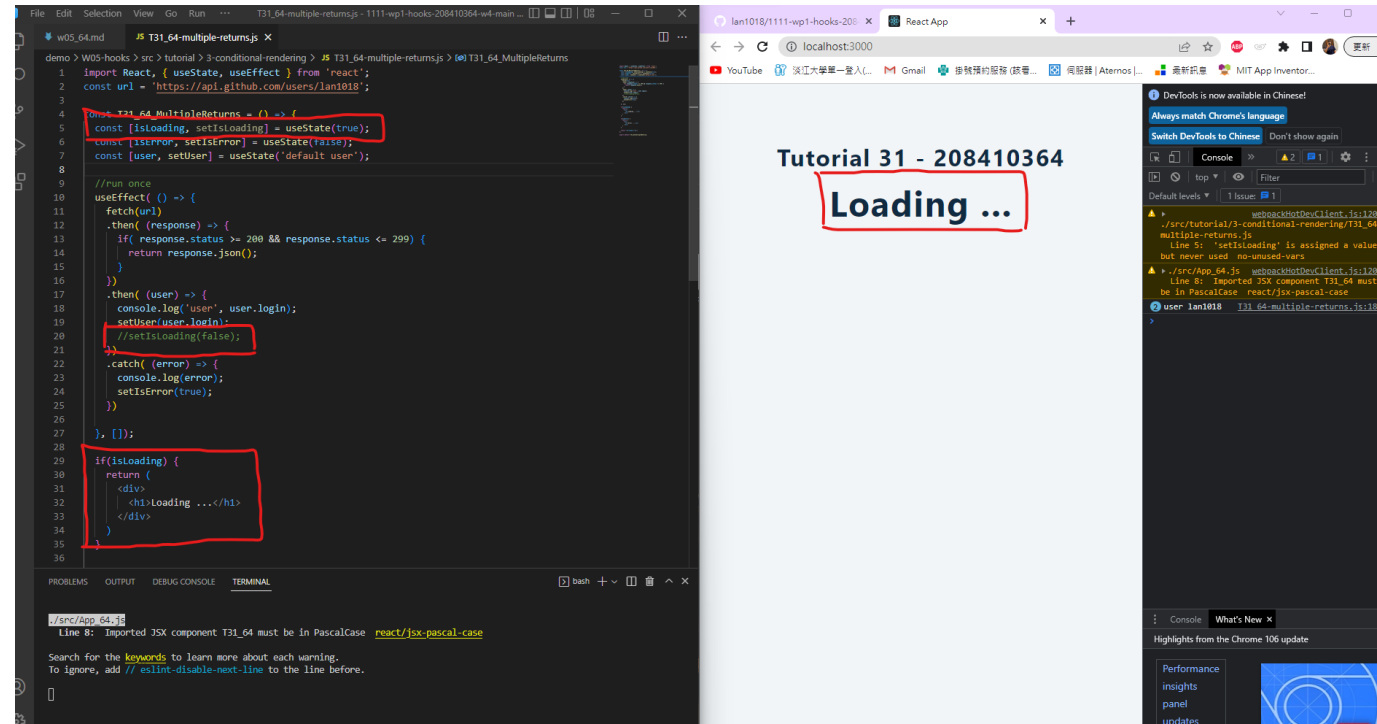
**Tutorial 31 - 208410364**

Text displayed: Lan1018

DevTools Console: 1 Issue: 1. user: Lan1018

**Tutorial 31 - 208410190**

Error displayed: Error ...



W05-logs: show all four logs done today

