- JSX:--javascript xml that’s allow to write the html inside the java script.

JSX

JavaScript XML (JSX) – Extension to the JavaScript language syntax.

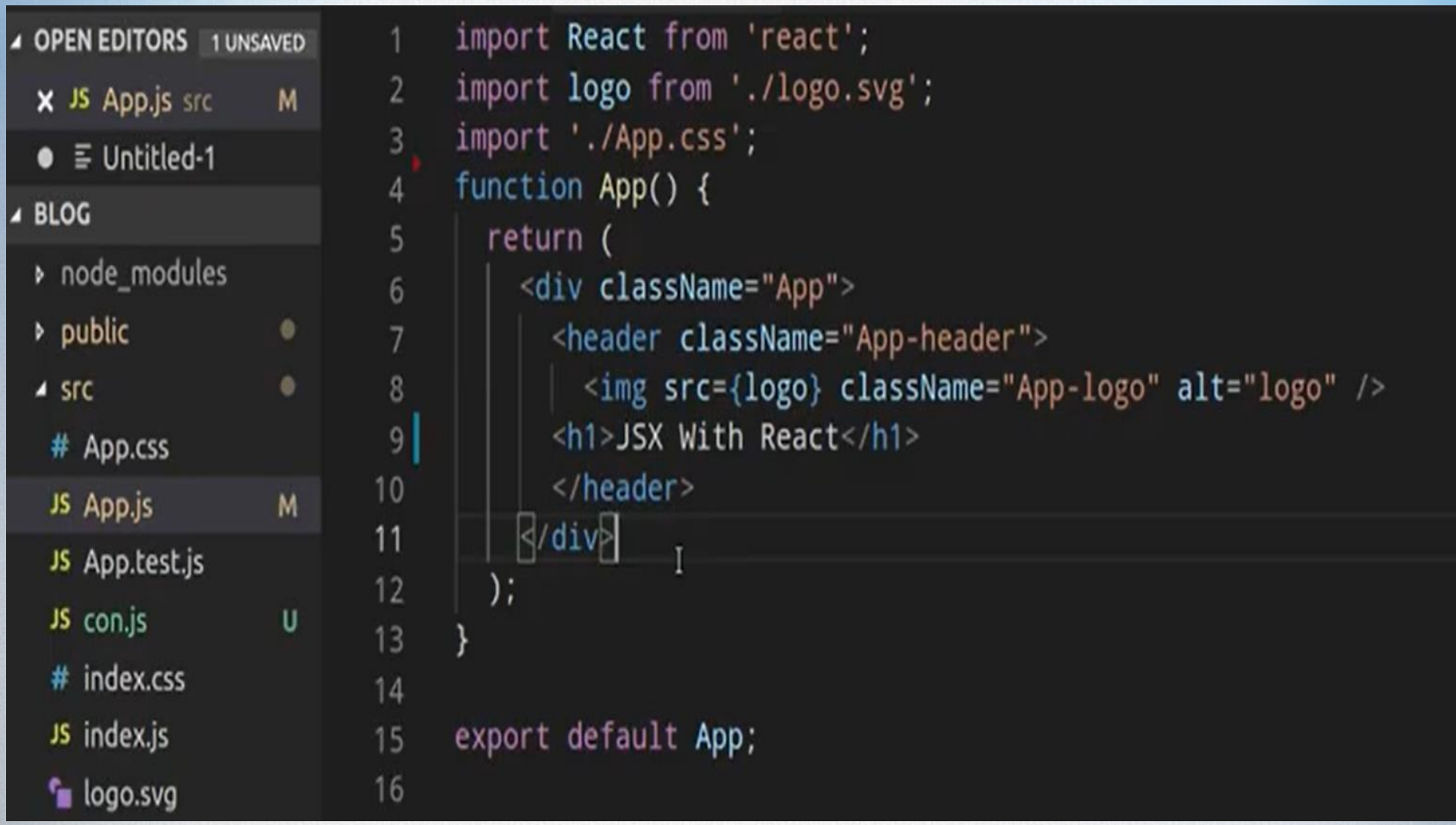
Write XML-like code for elements and components.

JSX tags have a tag name, attributes, and children.

JSX is not a necessity to write React applications.

JSX makes your react code simpler and elegant.

JSX ultimately transpiles to pure JavaScript which is understood by the browsers.

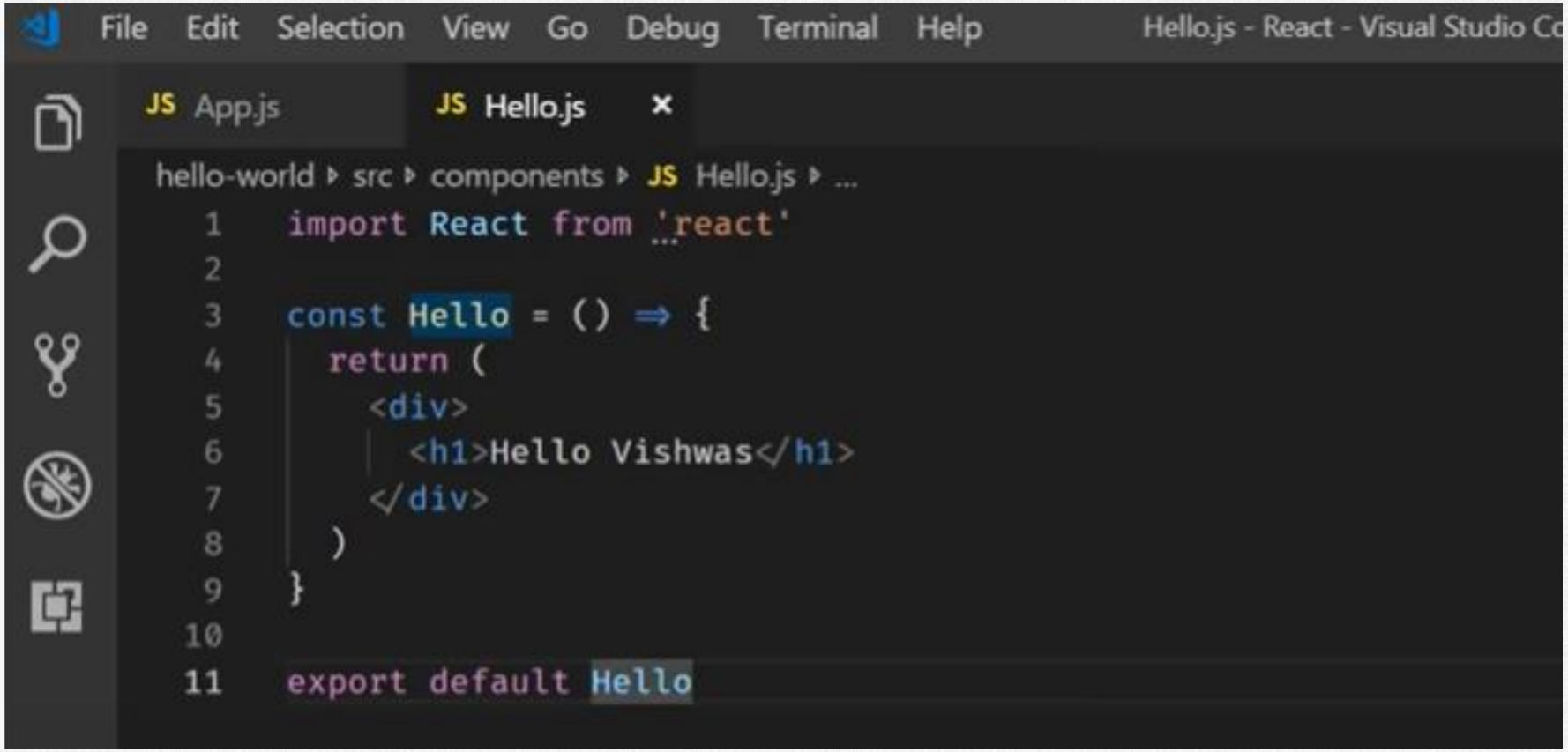

OPEN EDITORS 1 UNSAVED
JS App.js src M
Untitled-1
BLOG
node_modules
public
src
App.css
App.js M
App.test.js
con.js U
index.css
index.js
logo.svg
1 import React from 'react';
2 import logo from './logo.svg';
3 import './App.css';
4 function App() {
5 return (
6
7 <header className="App-header">
8 <img src={logo} className="App-logo" alt="logo" />
9 <h1>JSX With React</h1>
10 </header>
11
12);
13 }
14
15 export default App;
16

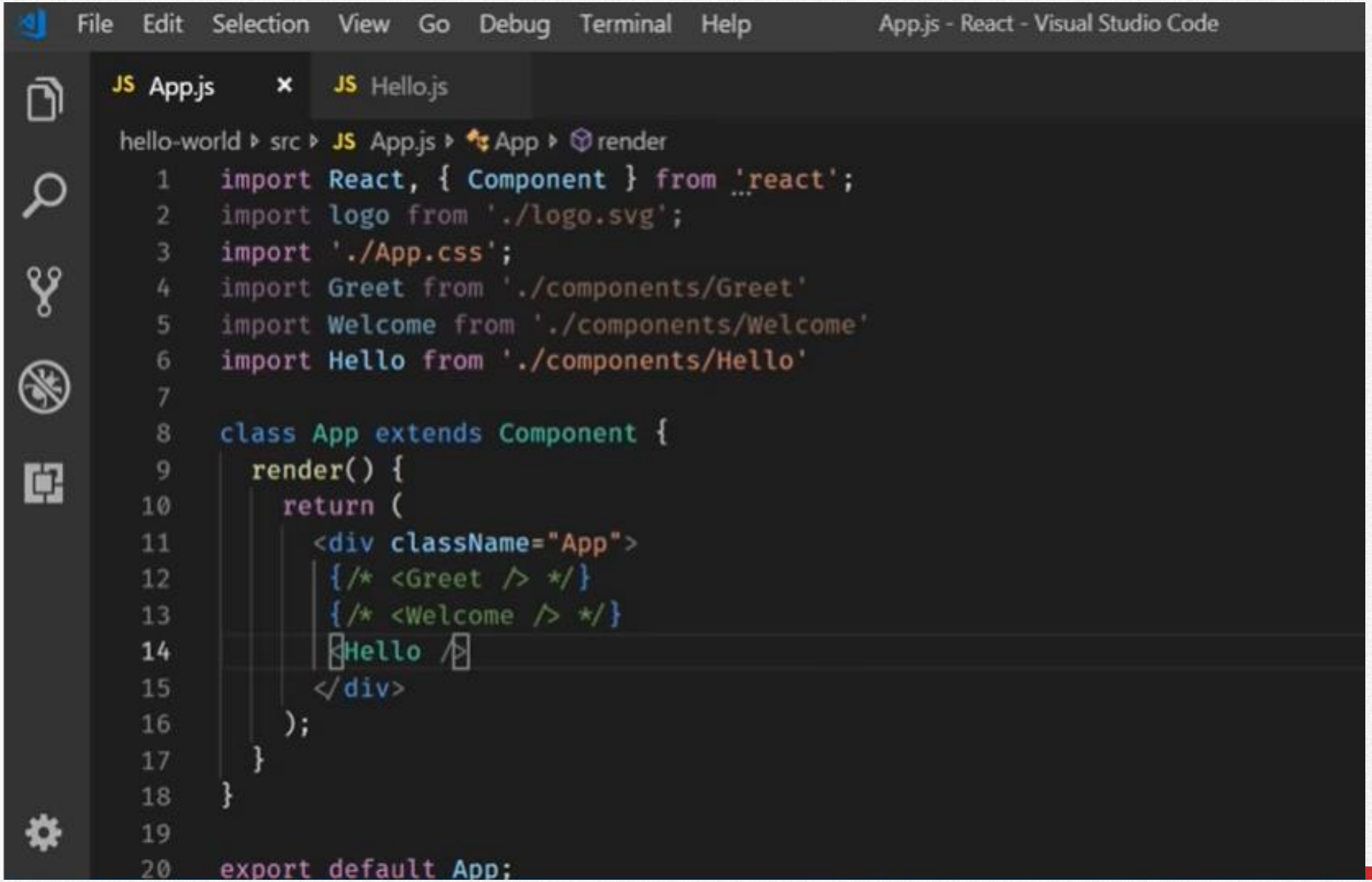
What's the difference between props and state in ReactJS?

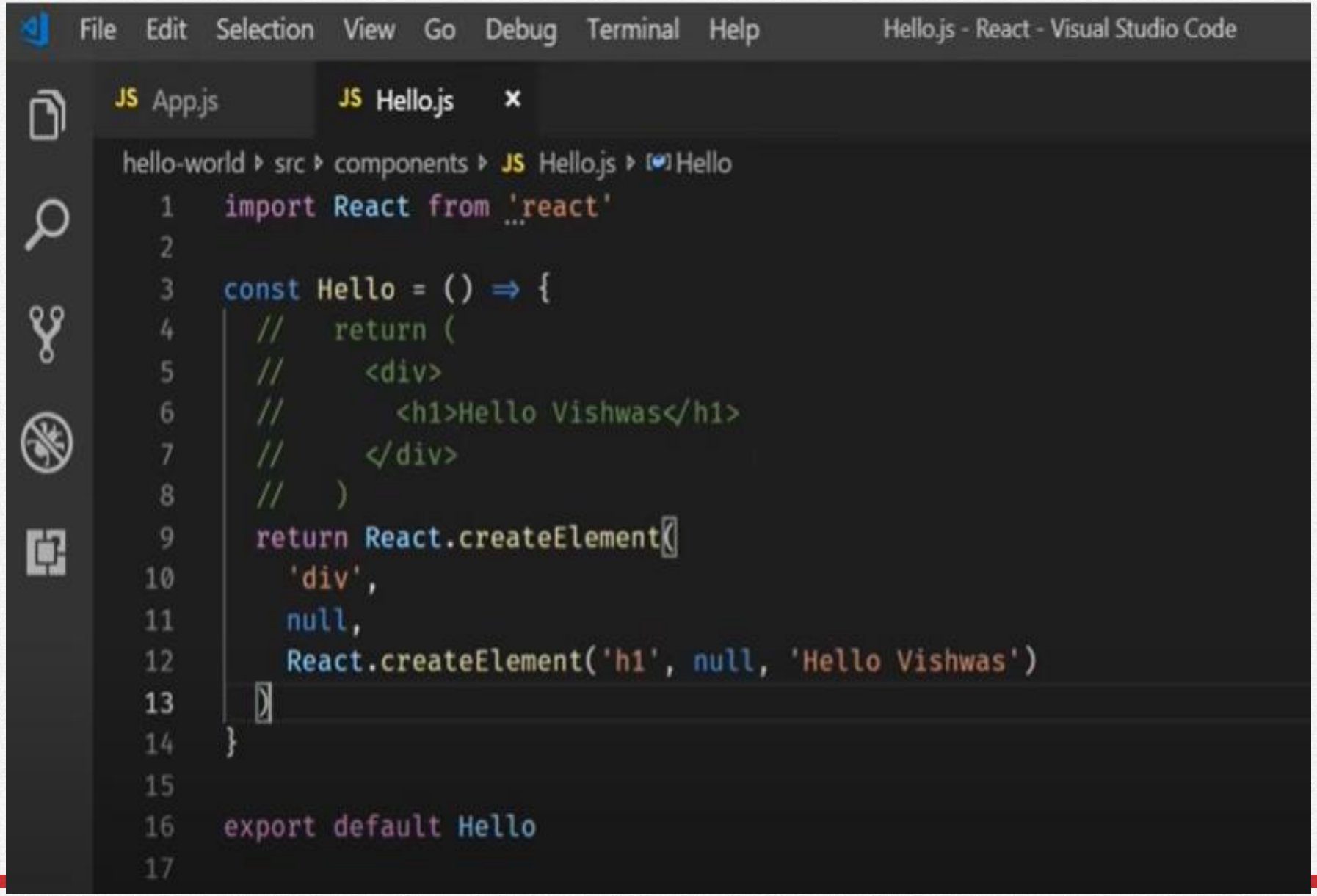
•While props and state both hold information relating to the component, they are used differently and should be kept separate. props contains the information set by the parent component (although defaults can be set) and should not be changed. state contains “private” information for the component to initialise, change]

Create a file inside Component folder:-

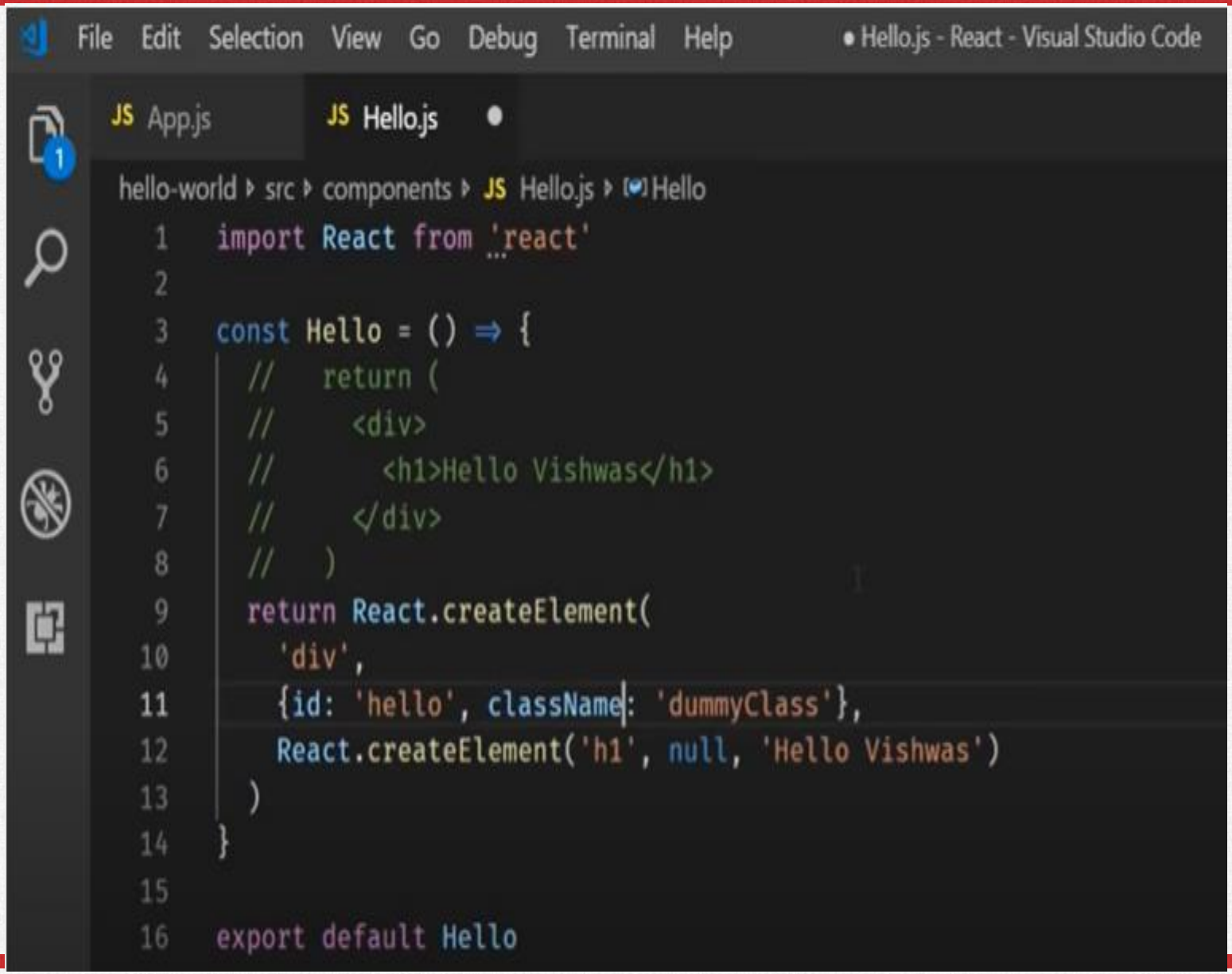
- Hello.js:--jsx(javascript & xml) code we have to put inside that file




File Edit Selection View Go Debug Terminal Help
App.js - React - Visual Studio Code
JS App.js
JS Hello.js
hello-world ▸ src ▸ JS App.js ▸ App ▸ render
1 import React, { Component } from 'react';
2 import logo from './logo.svg';
3 import './App.css';
4 import Greet from './components/Greet'
5 import Welcome from './components/Welcome'
6 import Hello from './components/Hello'
7
8 class App extends Component {
9 render() {
10 return (
11
12 {/* <Greet /> */}
13 {/* <Welcome /> */}
14 <Hello />
15
16);
17 }
18 }
19
20 export default App;


File Edit Selection View Go Debug Terminal Help
Hello.js - React - Visual Studio Code
App.js
Hello.js
hello-world ▸ src ▸ components ▸ Hello.js ▸ Hello
1 import React from 'react'
2
3 const Hello = () => {
4 // return (
5 //
6 // <h1>Hello Vishwas</h1>
7 //
8 //)
9 return React.createElement(
10 'div',
11 null,
12 React.createElement('h1', null, 'Hello Vishwas')
13)
14 }
15
16 export default Hello
17

Without jsx :-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• Hello.js - React - Visual Studio Code
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1 import React from 'react'
2
3 const Hello = () => {
4 // return (
5 //
6 // <h1>Hello Vishwas</h1>
7 //
8 //)
9 return React.createElement(
10 'div',
11 {id: 'hello', className: 'dummyClass'},
12 React.createElement('h1', null, 'Hello Vishwas')
13)
14 }
15
16 export default Hello

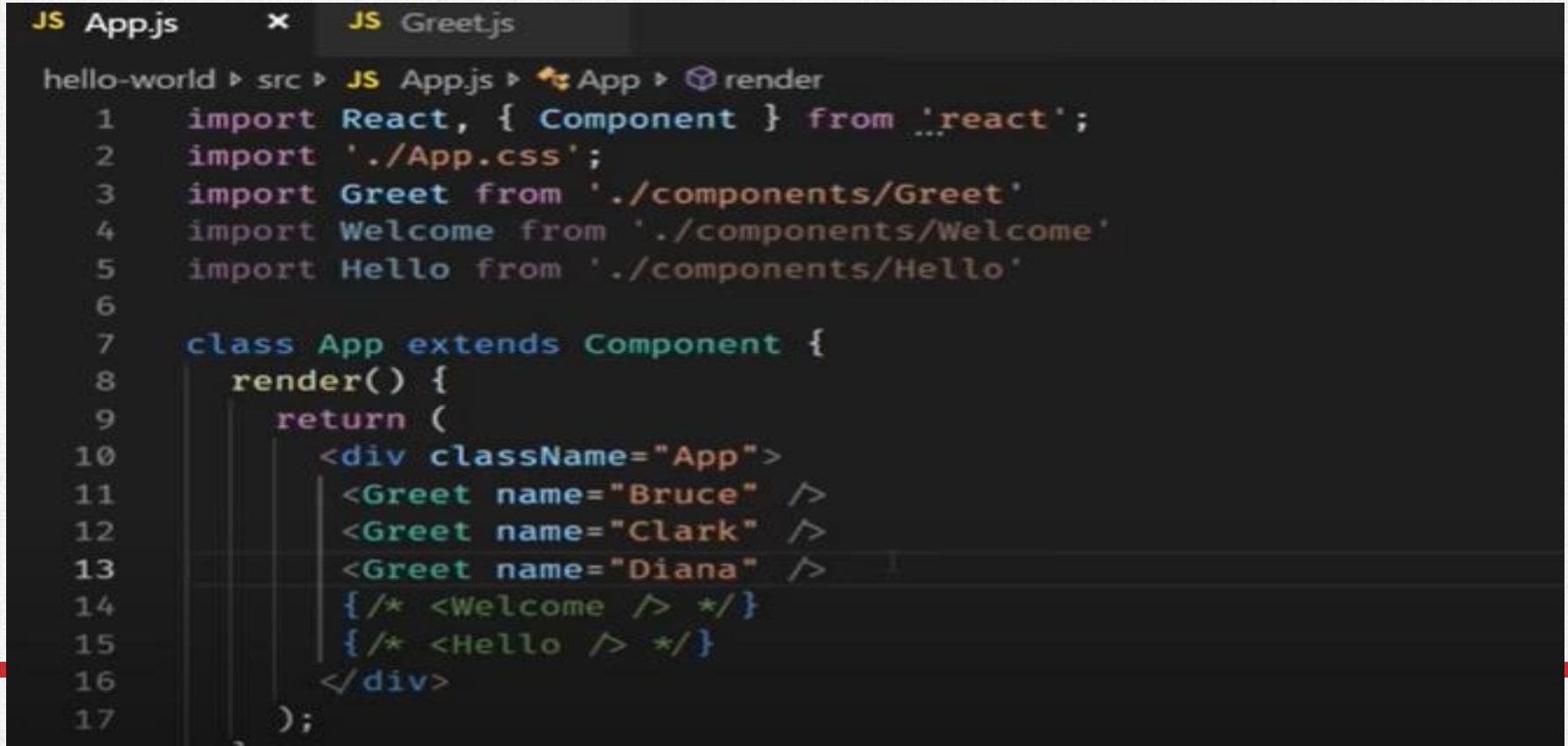
JSX differences

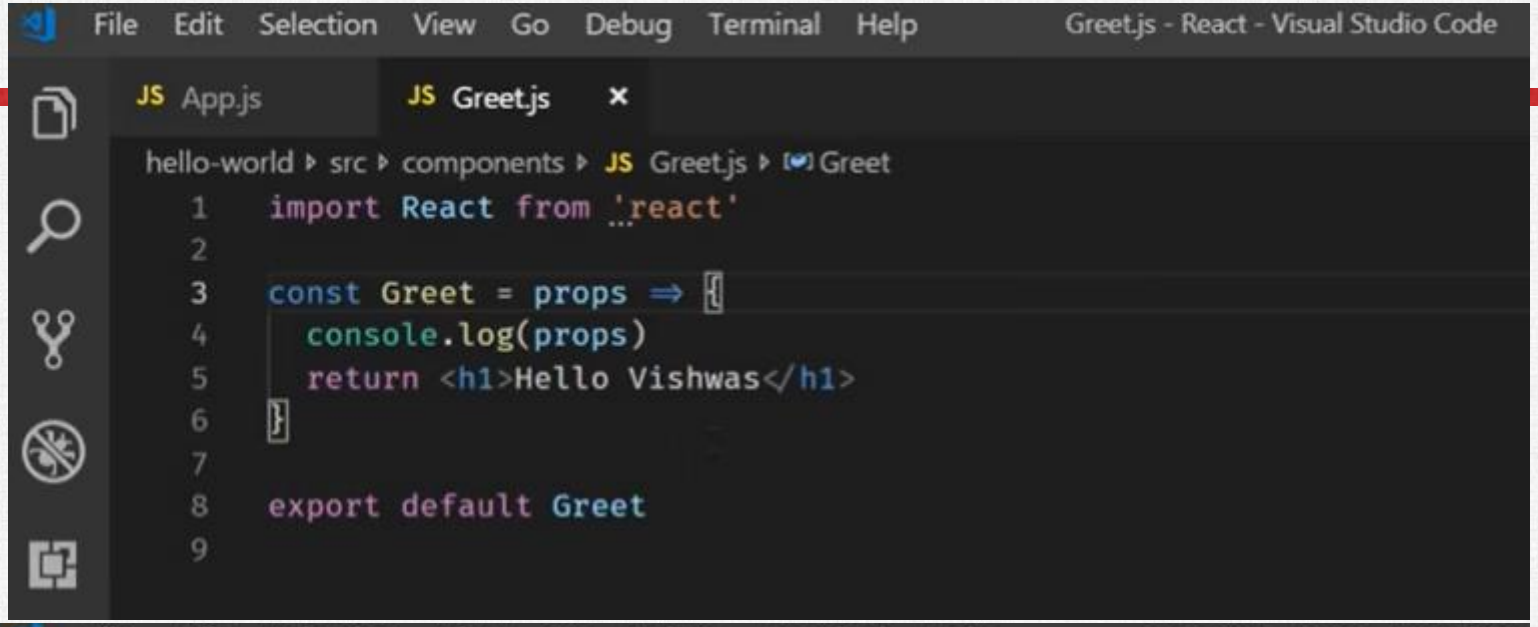
Class -> className

for -> htmlFor

camelCase property naming convention

- onclick -> onClick
- tabindex -> tabIndex

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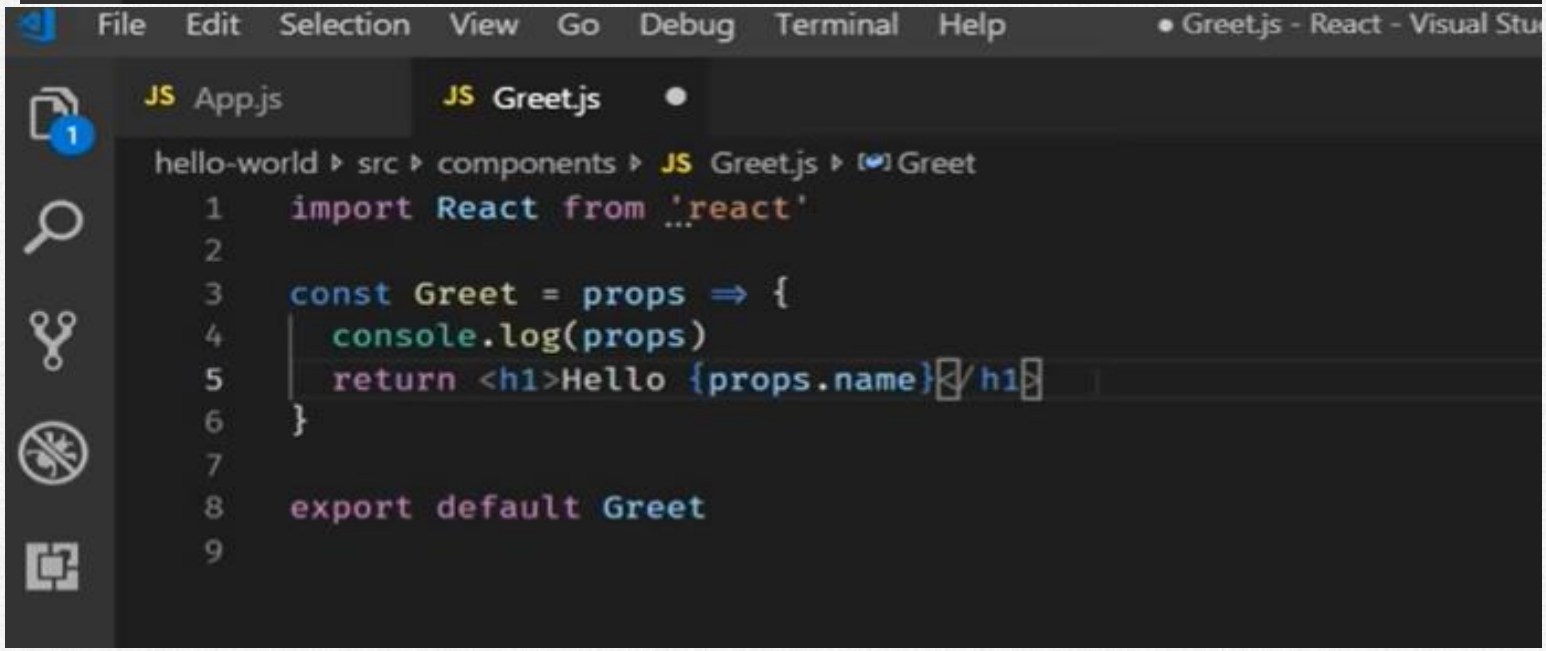
Greet.js - React - Visual Studio Code
JS App.js
JS Greet.js
hello-world ▸ src ▸ components ▸ JS Greet.js ▸ Greet
1 import React from 'react'
2
3 const Greet = props => {
4 console.log(props)
5 return <h1>Hello Vishwas</h1>
6 }
7
8 export default Greet
9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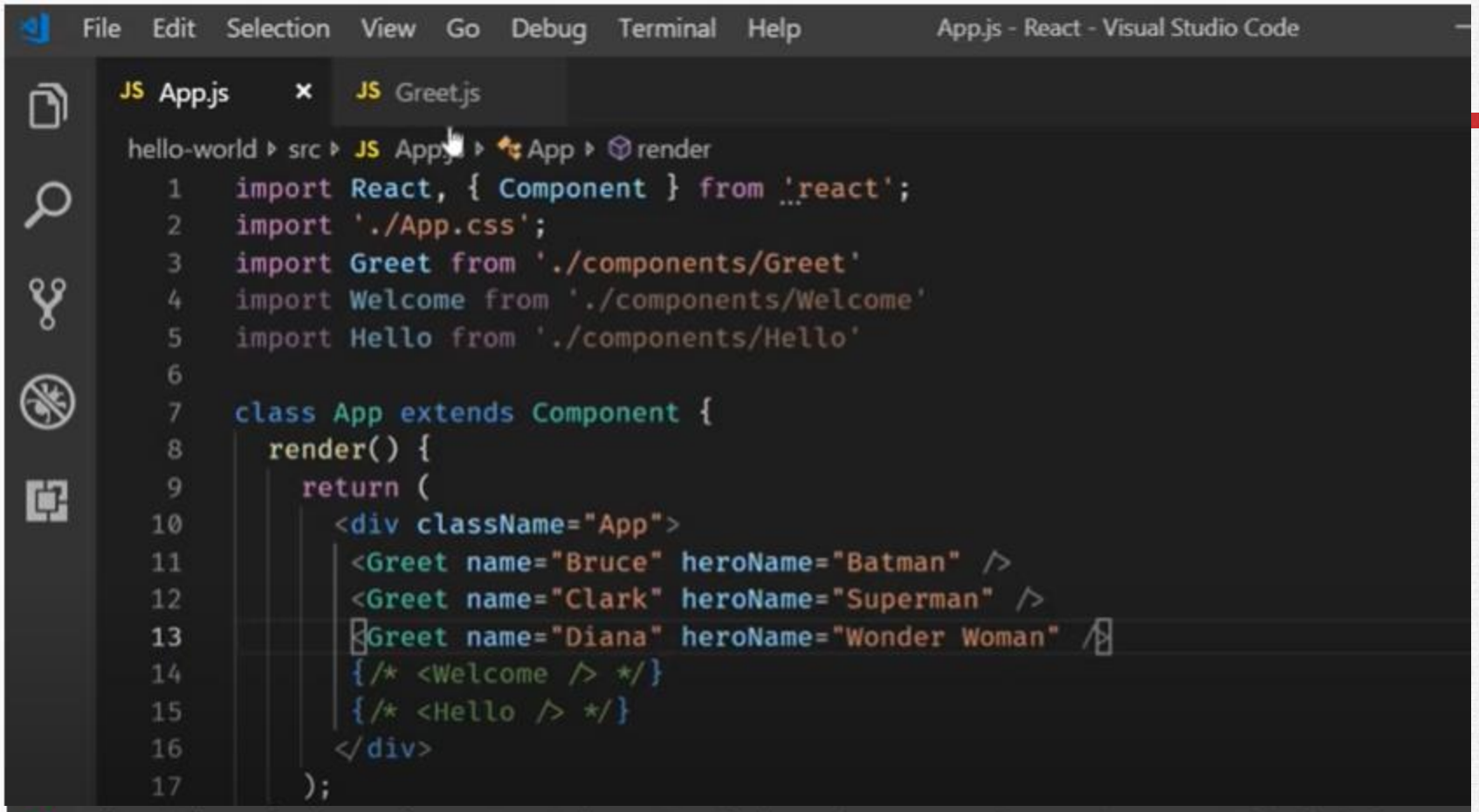
JS App.js
JS Greet.js
hello-world ▸ src ▸ components ▸ JS Greet.js ▸ Greet
1 import React from 'react'
2
3 const Greet = props => {
4 console.log(props)
5 return <h1>Hello {props.name}</h1>
6 }
7
8 export default Greet
9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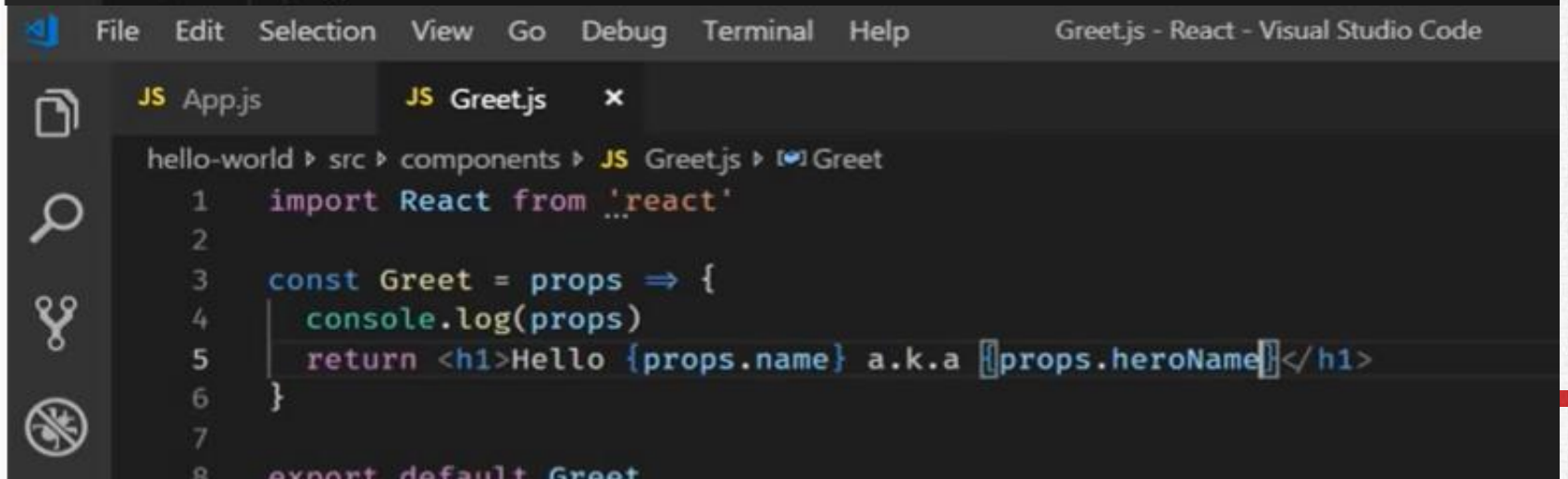
4 import Welcome from './components/Welcome'
5 import Hello from './components/Hello'
6
7 class App extends Component {
8 render() {
9 return (
10
11 <Greet name="Bruce" heroName="Batman" />
12 <Greet name="Clark" heroName="Superman" />
13 <Greet name="Diana" heroName="Wonder Woman" />
14 {/* <Welcome /> */}
15 {/* <Hello /> */}
16
17);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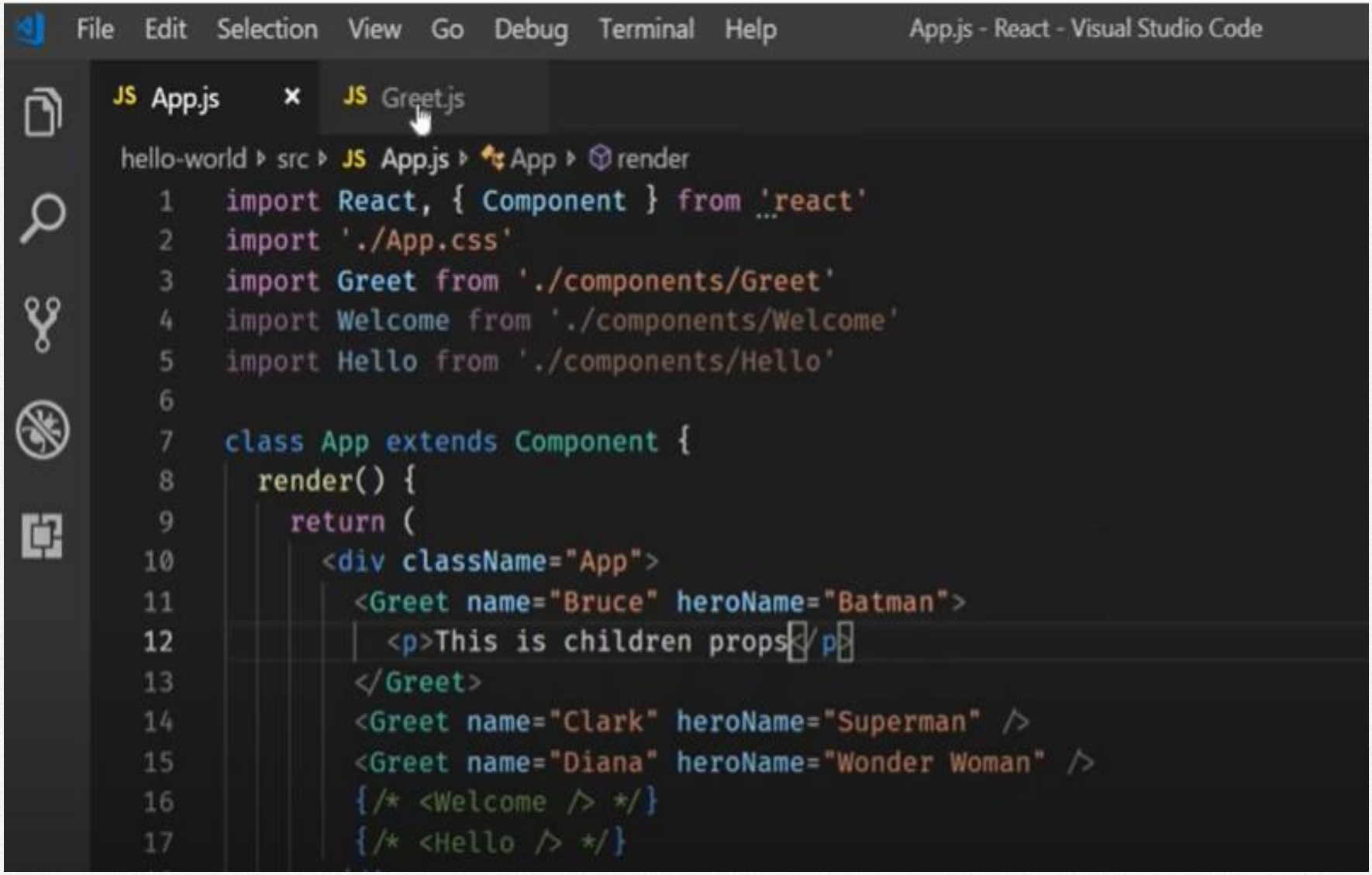
2
3 const Greet = props => {
4 console.log(props)
5 return <h1>Hello {props.name} a.k.a {props.heroName}</h1>
6 }
7
8 export default Greet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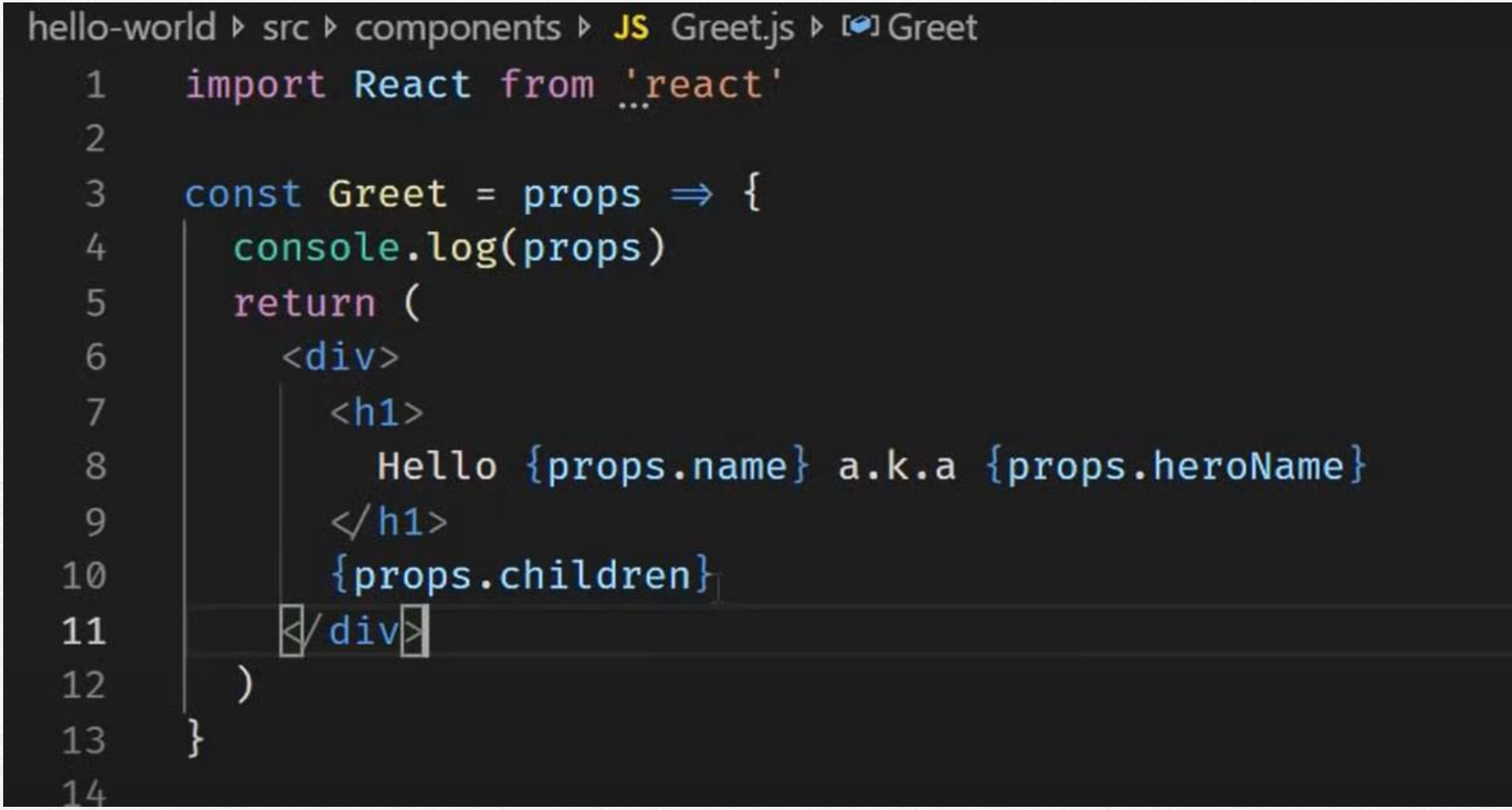
5 import Hello from './components/Hello'
6
7 class App extends Component {
8 render() {
9 return (
10
11 <Greet name="Bruce" heroName="Batman">
12 This is children props
13 </Greet>
14 <Greet name="Clark" heroName="Superman" />
15 <Greet name="Diana" heroName="Wonder Woman" />
16 {/* <Welcome /> */}
17 {/* <Hello /> */}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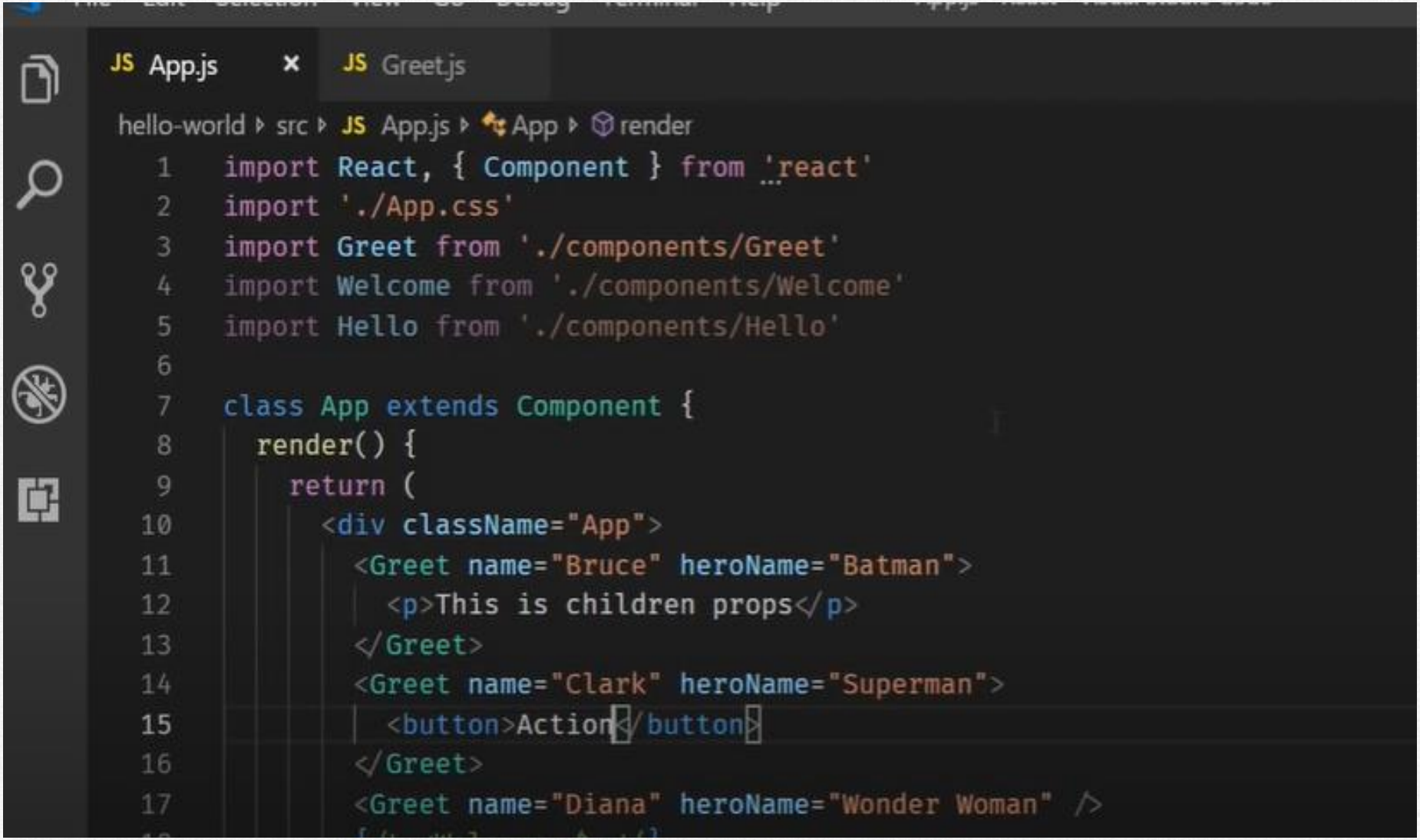
3 const Greet = props ⇒ {
4 console.log(props)
5 return (
6
7 <h1>
8 Hello {props.name} a.k.a {props.heroName}
9 </h1>
10 {props.children}
11
12)
13 }
14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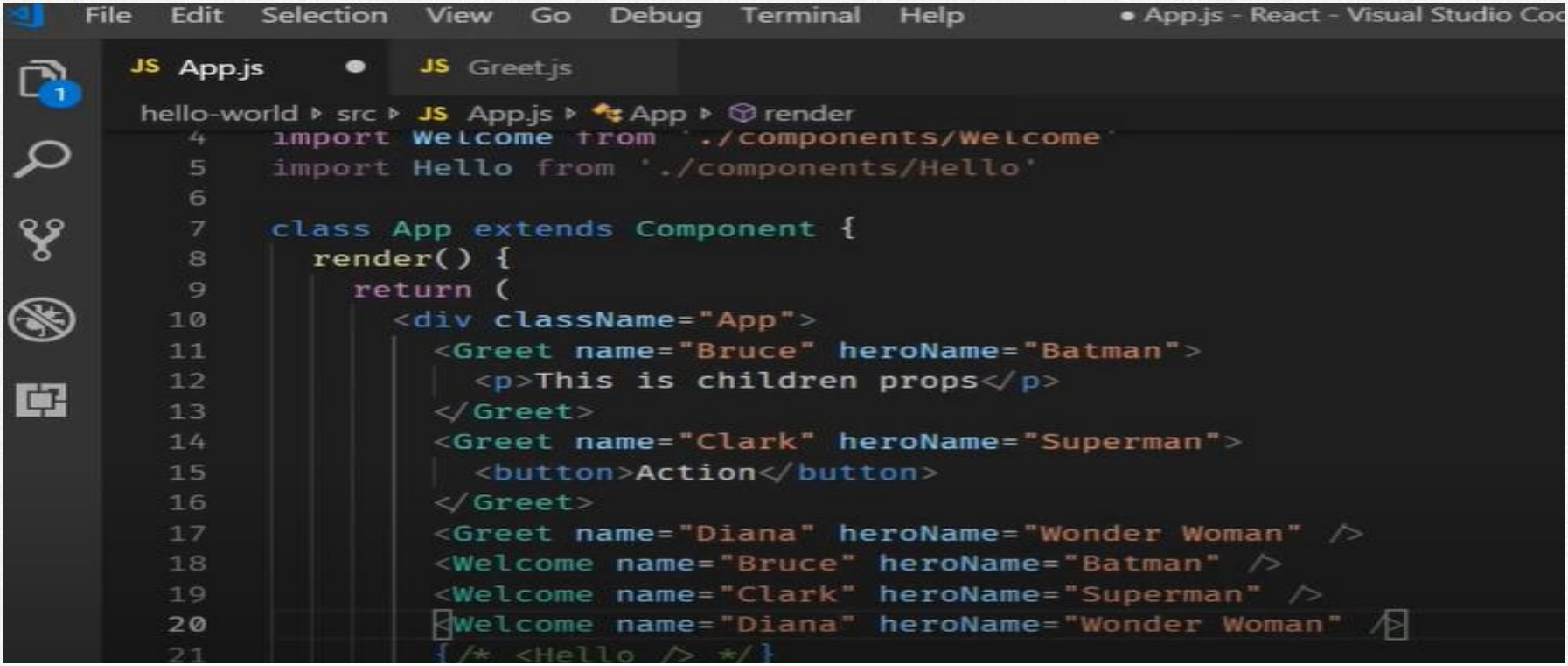
9 return (
10
11 <Greet name="Bruce" heroName="Batman">
12 This is children props
13 </Greet>
14 <Greet name="Clark" heroName="Superman">
15 <button>Action</button>
16 </Greet>
17 <Greet name="Diana" heroName="Wonder Woman" />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<button>Action</button>
</Greet>
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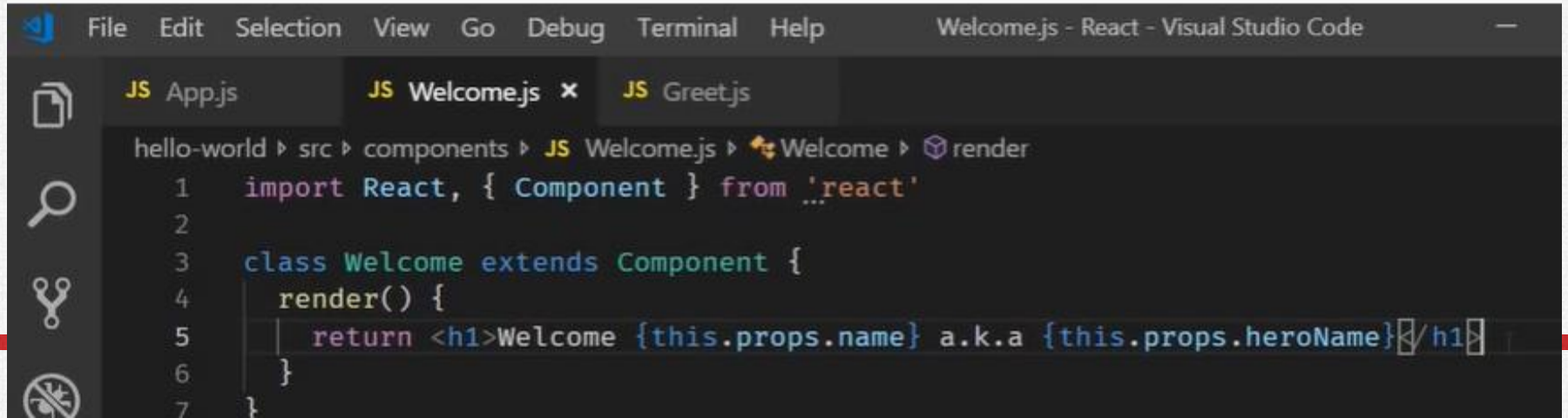
<Welcome name="Clark" heroName="Superman" />
<Welcome name="Diana" heroName="Wonder Woman" />
{/* <Hello /> */}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class Welcome extends Component {
render() {
return <h1>Welcome {this.props.name} a.k.a {this.props.heroName}</h1>
}
}

Thanks