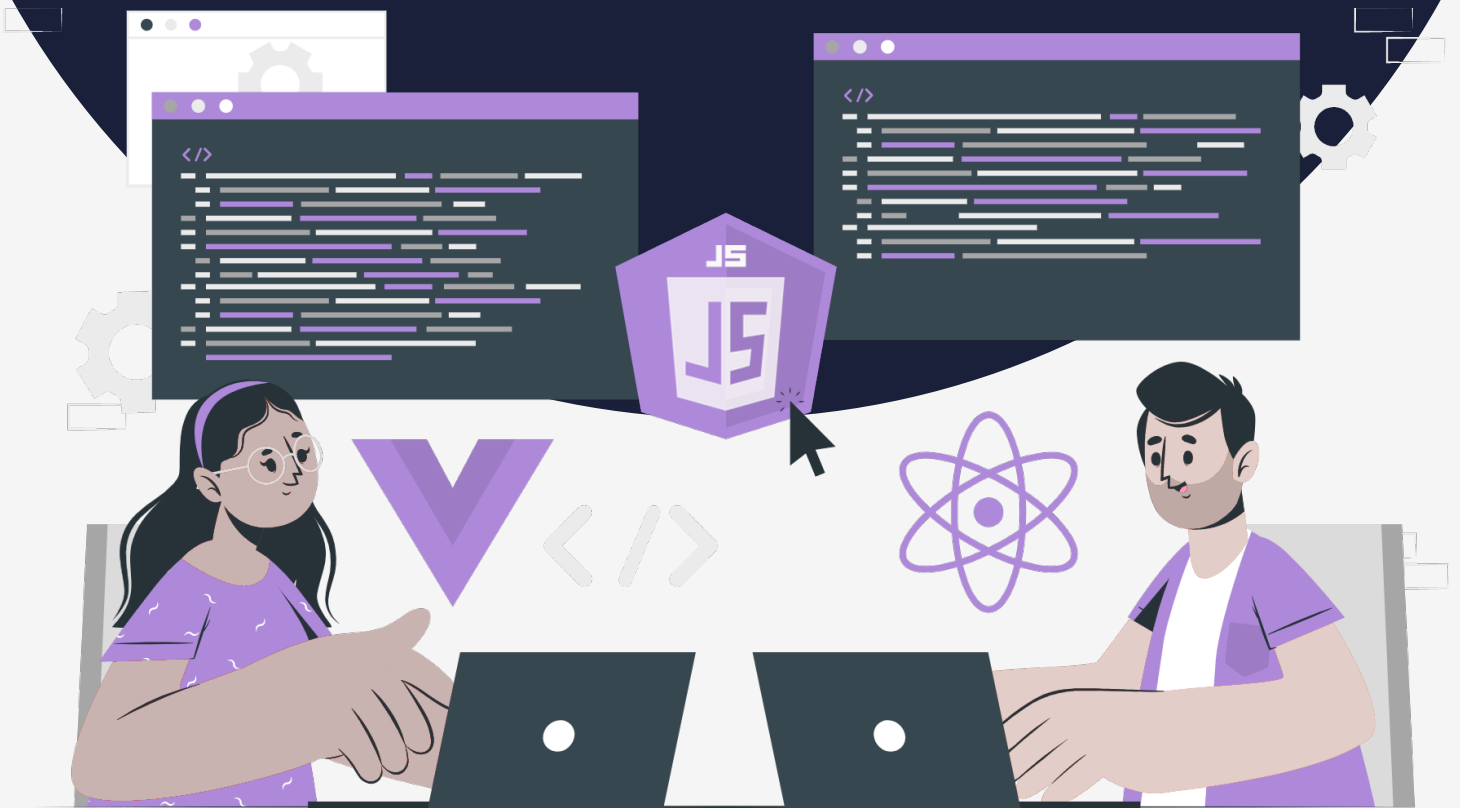


Lesson:

Embedding JS expressions in JSX



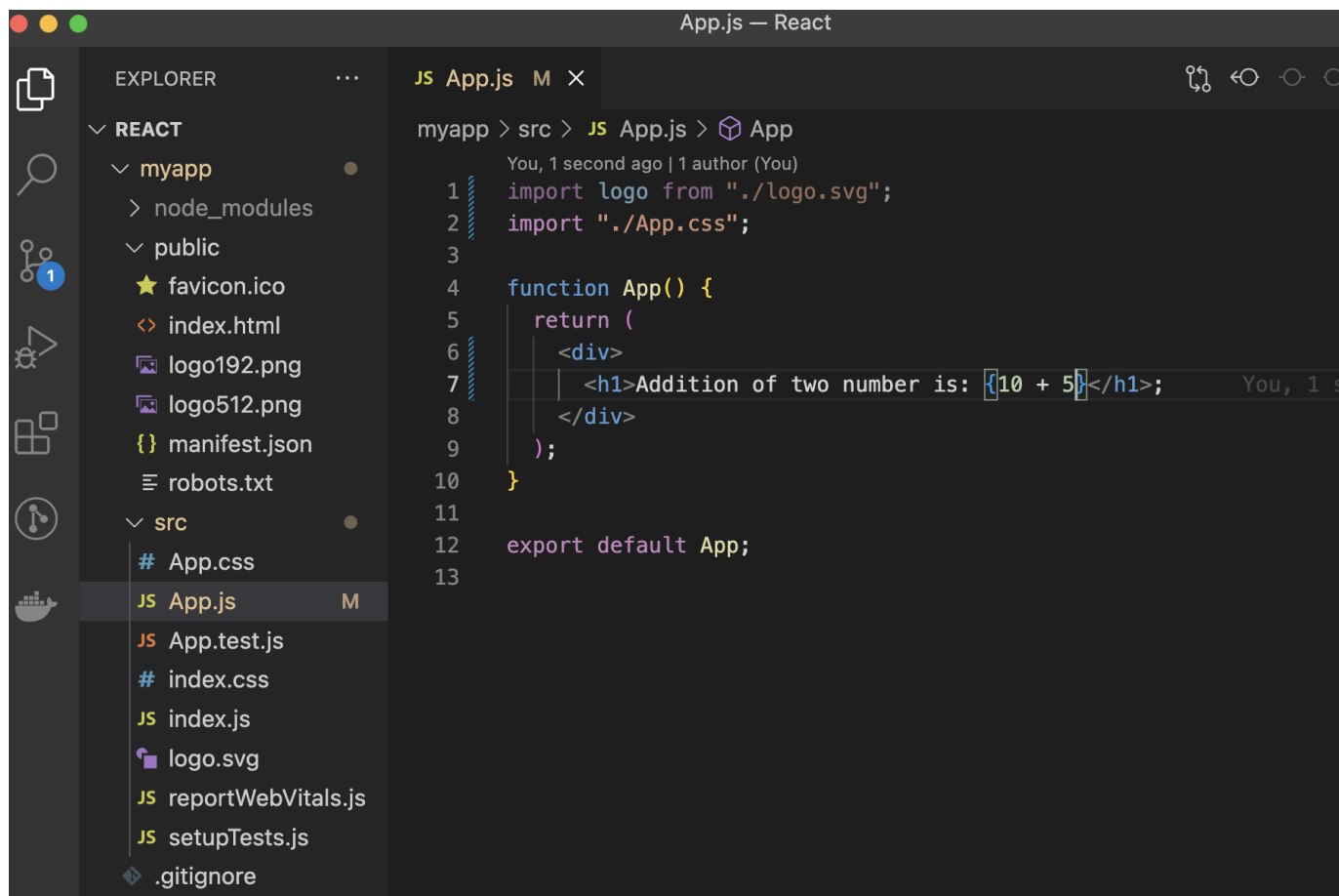
Topics Covered:

1. Embedding JS expressions in JSX

Embedding JS expressions in JSX

Since JSX is a JavaScript extension, it will accept any valid JavaScript expressions enclosed in curly brackets '{ }'. This enables you to add dynamic elements to your JSX. This can be a string, a number, a boolean, an object, or even an array.

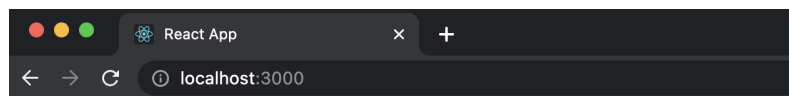
Here is an example:



```

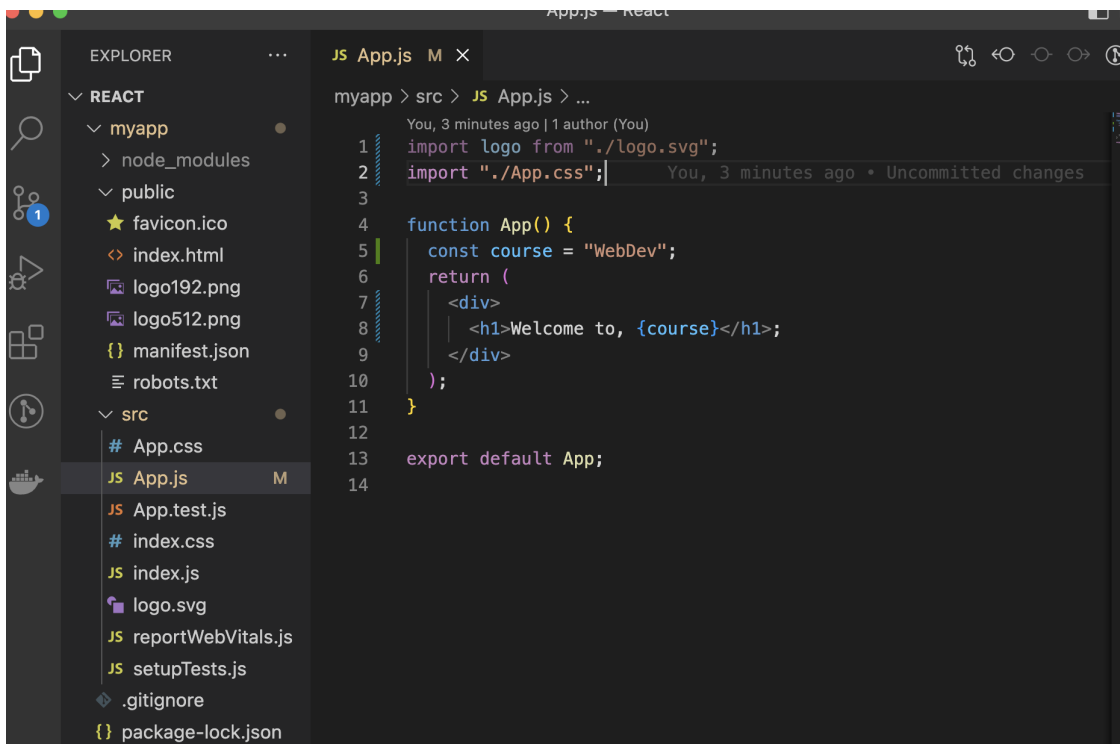
App.js — React
myapp > src > JS App.js > App
You, 1 second ago | 1 author (You)
1 import logo from "../logo.svg";
2 import "../App.css";
3
4 function App() {
5   return (
6     <div>
7       <h1>Addition of two number is: {10 + 5}</h1>;
8     </div>
9   );
10 }
11
12 export default App;
13
  
```

Output will be:



Addition of two number is: 15

Inside the curly braces, we can also use variables in Jsx. For example:

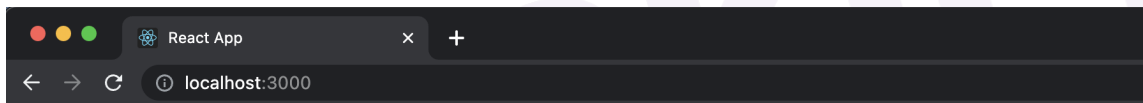


```

1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    const course = "WebDev";
6    return (
7      <div>
8        <h1>Welcome to, {course}</h1>
9      </div>
10     );
11   }
12
13   export default App;
14

```

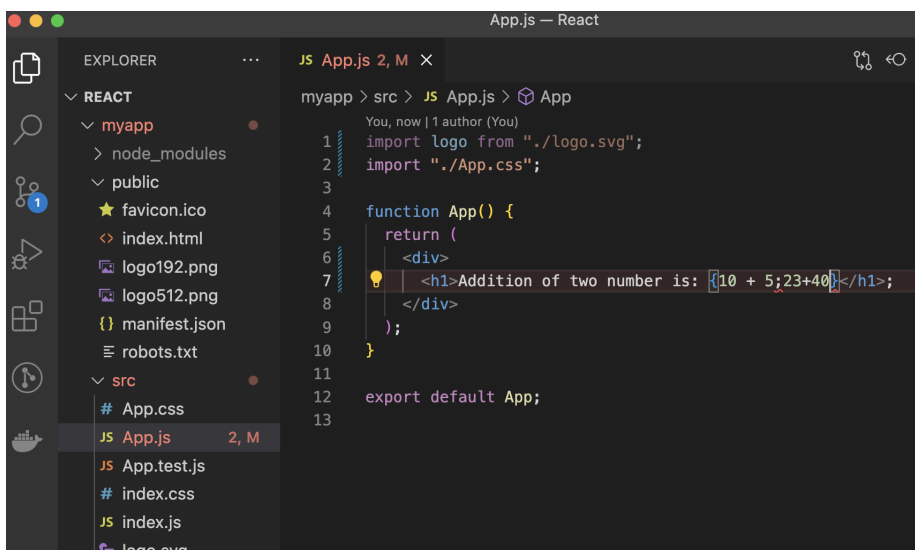
Output will be Welcome to, Webdev



Welcome to, WebDev

Notes:

We can only use expressions that return a single value inside the curly braces in JSX. For example, the following code would be invalid:

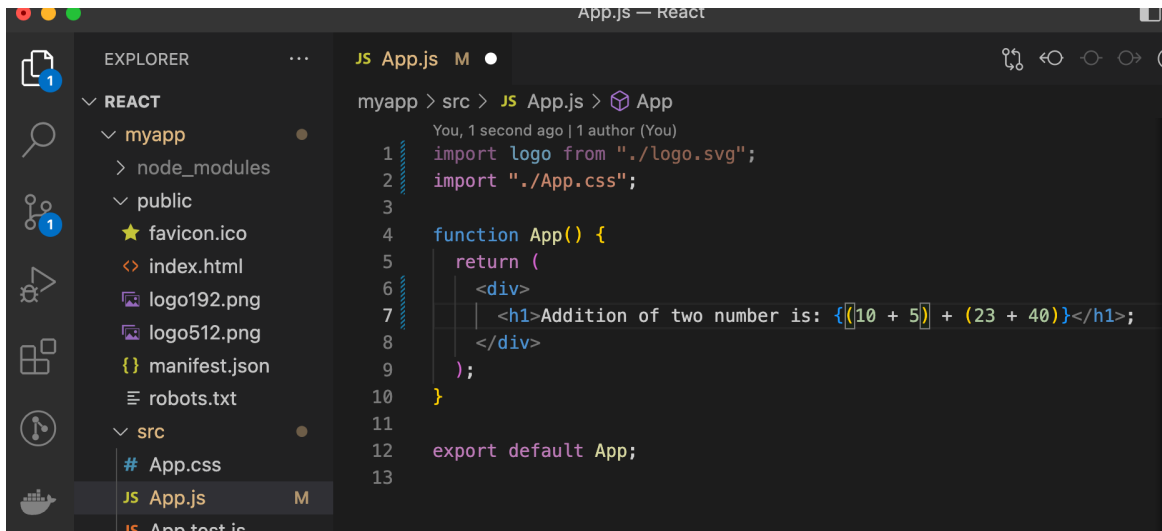


```

1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    return (
6      <div>
7        <h1>Addition of two number is: {10 + 5; 23 + 40}</h1>
8      </div>
9    );
10   }
11
12   export default App;
13

```

instead, We would need to wrap the expressions in parentheses to make it a single expression:
Also we can use a div tag to wrap both the elements.
Instead of using **React.fragment**, we use an empty tag(<> </>).



Inline Styling with JSX

```
JavaScript
const styleobj={
  backgroundColor:"green",
};

const jsx= (
  <div style={styleobj}>
    <h1>Hello</h1>
    <h1>World</h1>
  </div>

)
```

```
JavaScript
const jsx= (
  <div style={{backgroundColor:"green"}}>
    <h1>Hello</h1>
    <h1>World</h1>
  </div>

)
```

Without creating an object we can directly write the element inside curly braces.