

1. Create a React app named eventexamplesapp

◆ 2. Implement a counter with Increment and Decrement buttons

- The Increment button should call multiple methods (e.g., increase count and say hello).

◆ 3. Add a “Say Welcome” button

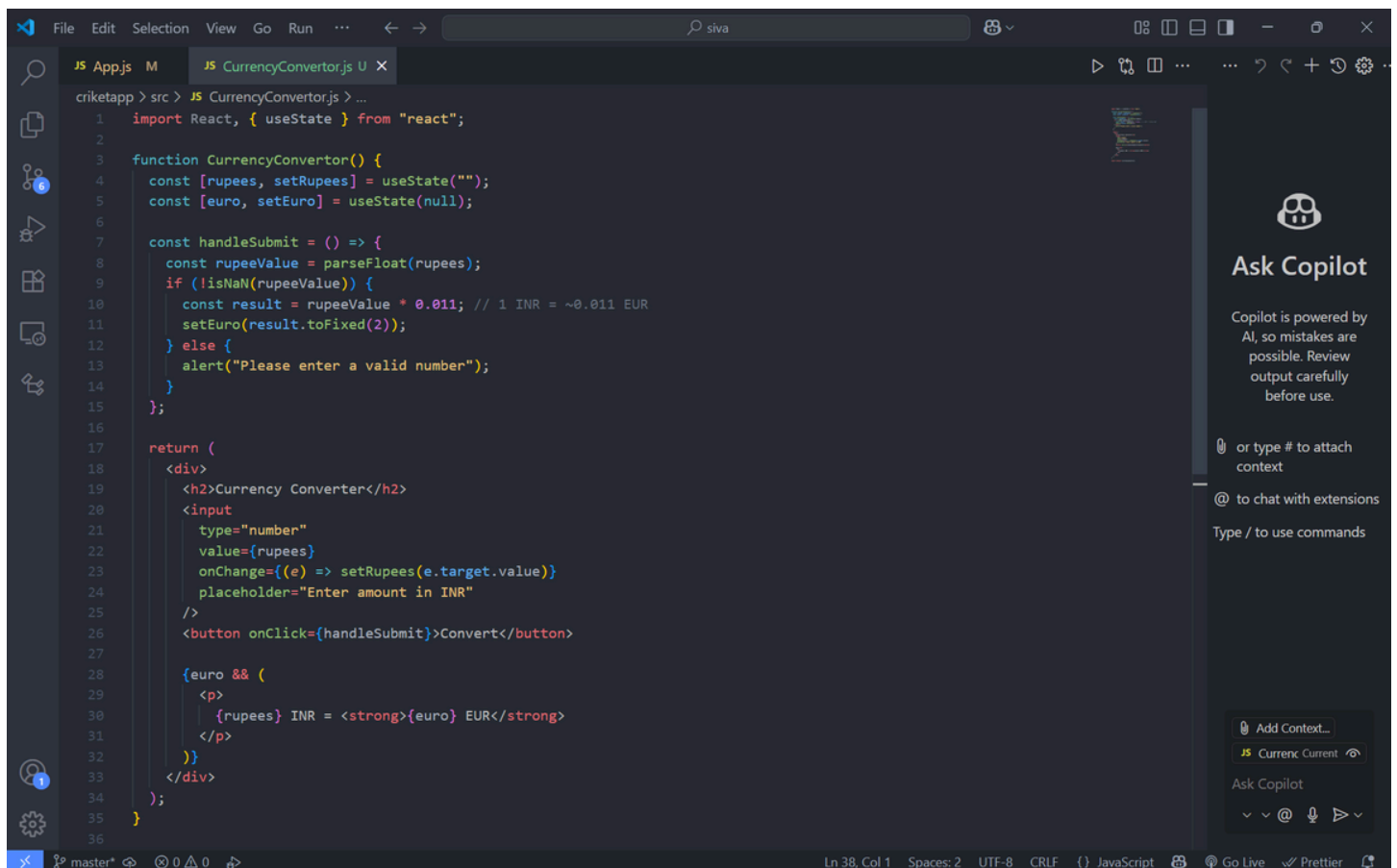
- This button should call a function with a message argument.

◆ 4. Handle a synthetic event

- Create a button that displays "I was clicked" when pressed.

◆ 5. Create a CurrencyConvertor component

- Convert Indian Rupees to Euro using input and a Convert button.



```
1 import React, { useState } from "react";
2
3 function CurrencyConvertor() {
4   const [rupees, setRupees] = useState("");
5   const [euro, setEuro] = useState(null);
6
7   const handleSubmit = () => {
8     const rupeeValue = parseFloat(rupees);
9     if (!isNaN(rupeeValue)) {
10      const result = rupeeValue * 0.011; // 1 INR = ~0.011 EUR
11      setEuro(result.toFixed(2));
12    } else {
13      alert("Please enter a valid number");
14    }
15  };
16
17  return (
18    <div>
19      <h2>Currency Converter</h2>
20      <input
21        type="number"
22        value={rupees}
23        onChange={(e) => setRupees(e.target.value)}
24        placeholder="Enter amount in INR"
25      />
26      <button onClick={handleSubmit}>Convert</button>
27
28      {euro && (
29        <p>
30          {rupees} INR = <strong>{euro}</strong> EUR</strong>
31        </p>
32      )}
33    </div>
34  );
35 }
36
```

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JS App.js M X JS CurrencyConvertor.js U

cricketapp > src > JS App.js > App > increment

```
4 class App extends Component {
27 // Method with parameter
28 sayWelcome = (message) => {
29   alert(`Welcome message: ${message}`);
30 };
31
32 handleClick = (event) => {
33   alert("I was clicked"); // Synthetic event handler
34 };
35
36 render() {
37   return (
38     <div style={{ padding: "20px", fontFamily: "Arial" }}>
39       <h1>React Event Handling Example</h1>
40       <h2>Counter: {this.state.count}</h2>
41       <button onClick={this.increment}>Increment</button>{" "}
42       <button onClick={this.decrement}>Decrement</button>
43       <br />
44       <br />
45       <button onClick={() => this.sayWelcome("Welcome to React Event App")}>
46         Say Welcome
47       </button>
48       <br />
49       <br />
50       <button onClick={this.handleClick}>Synthetic Event (OnPress)</button>
51       <br />
52       <br />
53       <CurrencyConvertor />
54     </div>
55   );
56 }
57 }
58
59 export default App;
60
```

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JS App.js M X JS CurrencyConvertor.js U

cricketapp > src > JS App.js > App > increment

```
1 import React, { Component } from "react";
2 import CurrencyConvertor from "../CurrencyConvertor";
3
4 class App extends Component {
5   constructor() {
6     super();
7     this.state = {
8       count: 0,
9     };
10   }
11
12   // Multiple methods called by Increment
13   increment = () => {
14     this.setState({ count: this.state.count + 1 }, () => {
15       this.sayHello();
16     });
17   };
18
19   decrement = () => {
20     this.setState({ count: this.state.count - 1 });
21   };
22
23   sayHello = () => {
24     alert("Hello! The count was increased.");
25   };
26
27   // Method with parameter
28   sayWelcome = (message) => {
29     alert(`Welcome message: ${message}`);
30   };
31
32   handleClick = (event) => {
33     alert("I was clicked"); // Synthetic event handler
34   };
35
36   render() {
```

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