

ReactJS- 11th HandsOn

Counter.js

```
import React, { Component } from 'react';

class Counter extends Component {
  constructor(props) {
    super(props);
    this.state = {
      count: 0
    };
  }

  increment = () => {
    this.setState({ count: this.state.count + 1 });
    this.sayHello();
    this.sendMessage("Increment button was clicked!");
  }

  decrement = () => {
    this.setState({ count: this.state.count - 1 });
  }

  sayHello = () => {
    console.log("Hello!");
  }

  sendMessage = (msg) => {
    console.log(msg);
  }

  render() {
    return (
      <div style={{ marginBottom: '2rem' }}>
        <h2>Counter: {this.state.count}</h2>
        <button onClick={this.increment}>Increment</button>{' '}
        <button onClick={this.decrement}>Decrement</button>
      </div>
    );
  }
}
```

```
}  
  
export default Counter;
```

[WelcomeButton.js](#)

```
import React from 'react';  
  
const WelcomeButton = () => {  
  const showMessage = (message) => {  
    alert(`Message: ${message}`);  
  };  
  
  return (  
    <div style={{ marginBottom: '2rem' }}>  
      <button onClick={() => showMessage("Welcome")}>Say Welcome</button>  
    </div>  
  );  
};  
  
export default WelcomeButton;
```

[SyntheticEventButton.js](#)

```
import React from 'react';  
  
const SyntheticEventButton = () => {  
  const handleClick = (event) => {  
    alert("I was clicked");  
    console.log("Synthetic event object:", event);  
  };  
  
  return (  
    <div style={{ marginBottom: '2rem' }}>  
      <button onClick={handleClick}>Click Me</button>  
    </div>  
  );  
};  
  
export default SyntheticEventButton;
```

CurrencyConvertor.js

```
import React, { useState } from 'react';

const CurrencyConvertor = () => {
  const [rupees, setRupees] = useState('');
  const [euro, setEuro] = useState('');

  const handleSubmit = (event) => {
    event.preventDefault();
    const euroValue = parseFloat(rupees) / 90;
    setEuro(euroValue.toFixed(2));
  };

  return (
    <div>
      <h2>Currency Converter</h2>
      <form onSubmit={handleSubmit}>
        <input
          type="number"
          placeholder="Enter Rupees"
          value={rupees}
          onChange={ (e) => setRupees(e.target.value) }
        />
        <button type="submit">Convert</button>
      </form>
      {euro && <p>EUR: €{euro}</p>}
    </div>
  );
};

export default CurrencyConvertor;
```

[App.js](#)

```
import React from 'react';
import './App.css';
import Counter from './components/Counter';
import WelcomeButton from './components/WelcomeButton';
import SyntheticEventButton from './components/SyntheticEventButton';
import CurrencyConvertor from './components/CurrencyConverter';

function App() {
  return (
    <div className="App">
      <h1>React Event Examples App</h1>
      <Counter />
      <WelcomeButton />
      <SyntheticEventButton />
      <CurrencyConvertor />
    </div>
  );
}

export default App;
```

OUTPUT

localhost:3000

React Event Examples App

Counter: 0

IncrementDecrement


Say Welcome

Click Me

Currency Converter

Enter RupeesConvert

Increment




 localhost:3000

React Event Examples App

Counter: 2

Currency Converter

Decrement

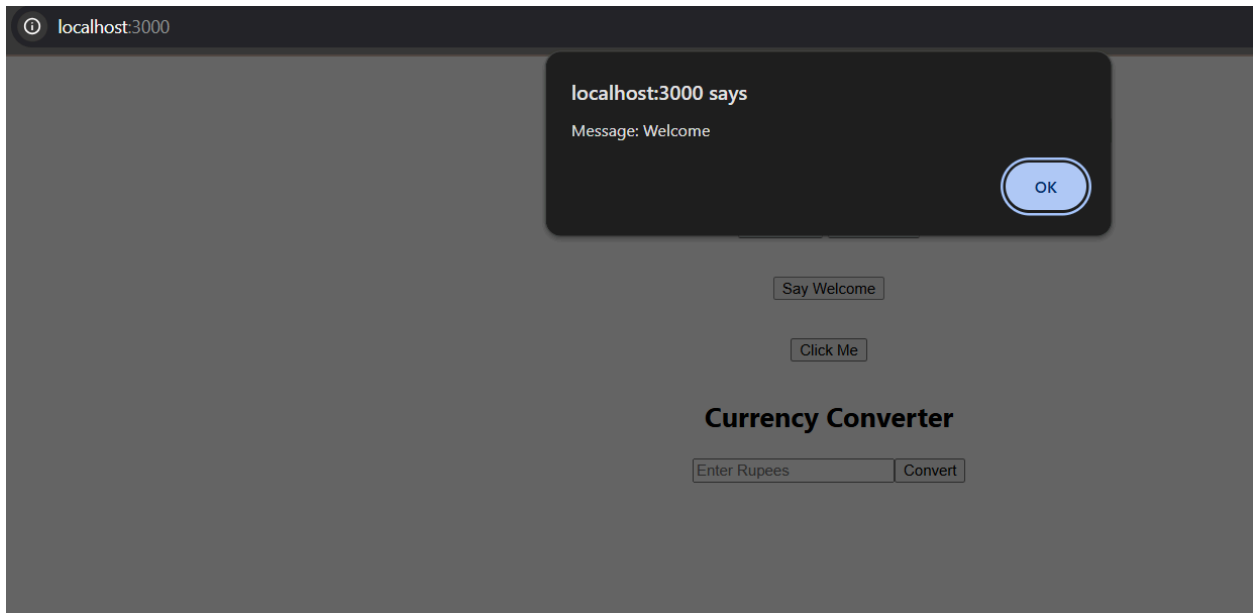
 localhost:3000

React Event Examples App

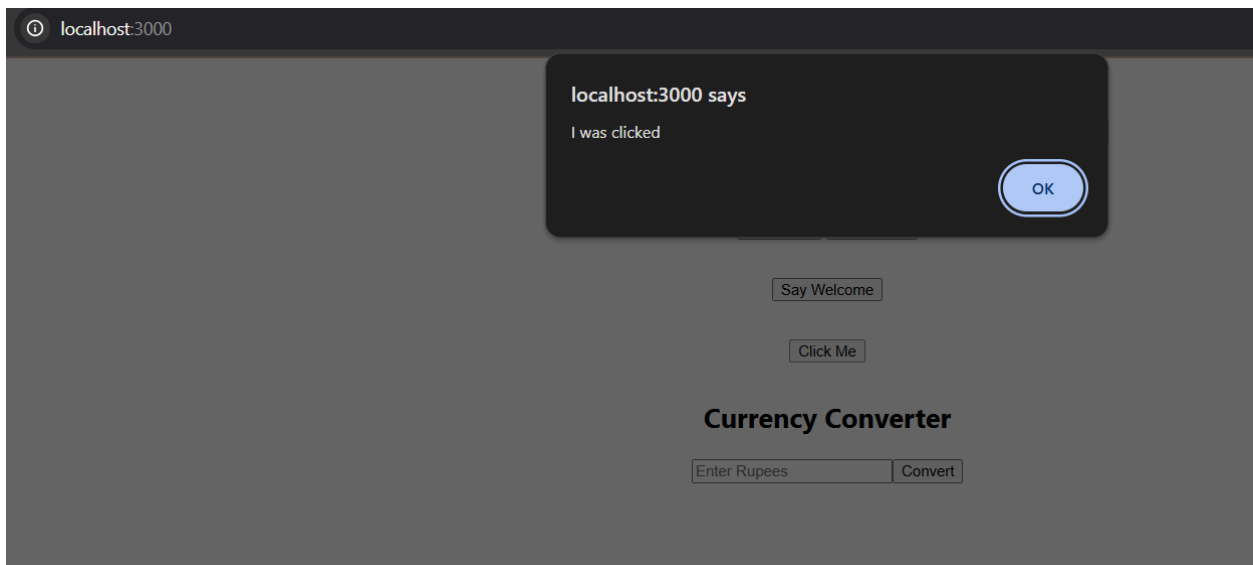
Counter: 1

Currency Converter

Welcome



ClickMe



React Event Examples App

Counter: 1

Increment

Decrement

Say Welcome

Click Me

Currency Converter

5000

Convert

EUR: €55.56