

11.React.js – HOL

Command : npx create-react-app eventexamplesapp

CurrencyConverter.js

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

const CurrencyConverter = () => {

  const [rupees, setRupees] = useState("");

  const [euros, setEuros] = useState("");

  const handleConvert = (e) => {

    e.preventDefault();

    const conversionRate = 0.012;

    setEuros((rupees * conversionRate).toFixed(2));

  };

  return (

    <div>

      <h2>Currency Converter (INR to EUR)</h2>

      <input

        type="number"

        value={rupees}

        onChange={(e) => setRupees(e.target.value)}

        placeholder="Enter INR"

      />
```

```

    <button onClick={handleConvert}>Convert</button>

    {euros && <p>Converted: €{euros}</p>}

  </div>

);

};

export default CurrencyConverter;

```

App.js

```

import React, { useState } from 'react';

import CurrencyConverter from './CurrencyConverter';

import './App.css';

const App = () => {

  const [count, setCount] = useState(0);

  const increment = () => setCount(count + 1);

  const decrement = () => setCount(count - 1);

  const sayHello = () => alert('Hello! Static Message');

  const sayWelcome = (message) => alert(message);

  const handleClick = (event) => alert('I was clicked');

  const handleIncrement = () => {

    increment();

    sayHello();

  };

  return (

    <div className="container">

      <h1>React Event Handling</h1>

```

```
<h2>Counter: {count}</h2>

<button onClick={handleIncrement}>Increment</button>

<button onClick={decrement}>Decrement</button>

<br />

<button onClick={() => sayWelcome('Welcome!')}>Say Welcome</button>

<br />

<button onClick={handleClick}>OnPress</button>

<br />

<CurrencyConverter />

</div>

);

};

export default App;
```

App.css

```
body {

  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

  background-color: #f0f2f5;

  margin: 0;

  padding: 20px;

}

h1, h2 {

  text-align: center;

  color: #333;

}
```

```
.container {  
  
  max-width: 600px;  
  
  margin: auto;  
  
  background-color: #fff;  
  
  padding: 20px 30px;  
  
  border-radius: 10px;  
  
  box-shadow: 0 6px 10px rgba(0, 0, 0, 0.1);  
  
}  
  
button {  
  
  margin: 10px 5px;  
  
  padding: 10px 20px;  
  
  background-color: #007bff;  
  
  color: white;  
  
  border: none;  
  
  border-radius: 5px;  
  
  cursor: pointer;  
  
  transition: background-color 0.2s ease-in-out;  
  
}  
  
button:hover {  
  
  background-color: #0056b3;  
  
}  
  
button:active {  
  
  transform: scale(0.98);  
  
}  
  
input {
```

```
padding: 10px 15px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px;

width: calc(100% - 32px);

}

.counter {

font-size: 1.5rem;

font-weight: bold;

color: #444;

margin-bottom: 20px;

text-align: center;

}

.spacer {

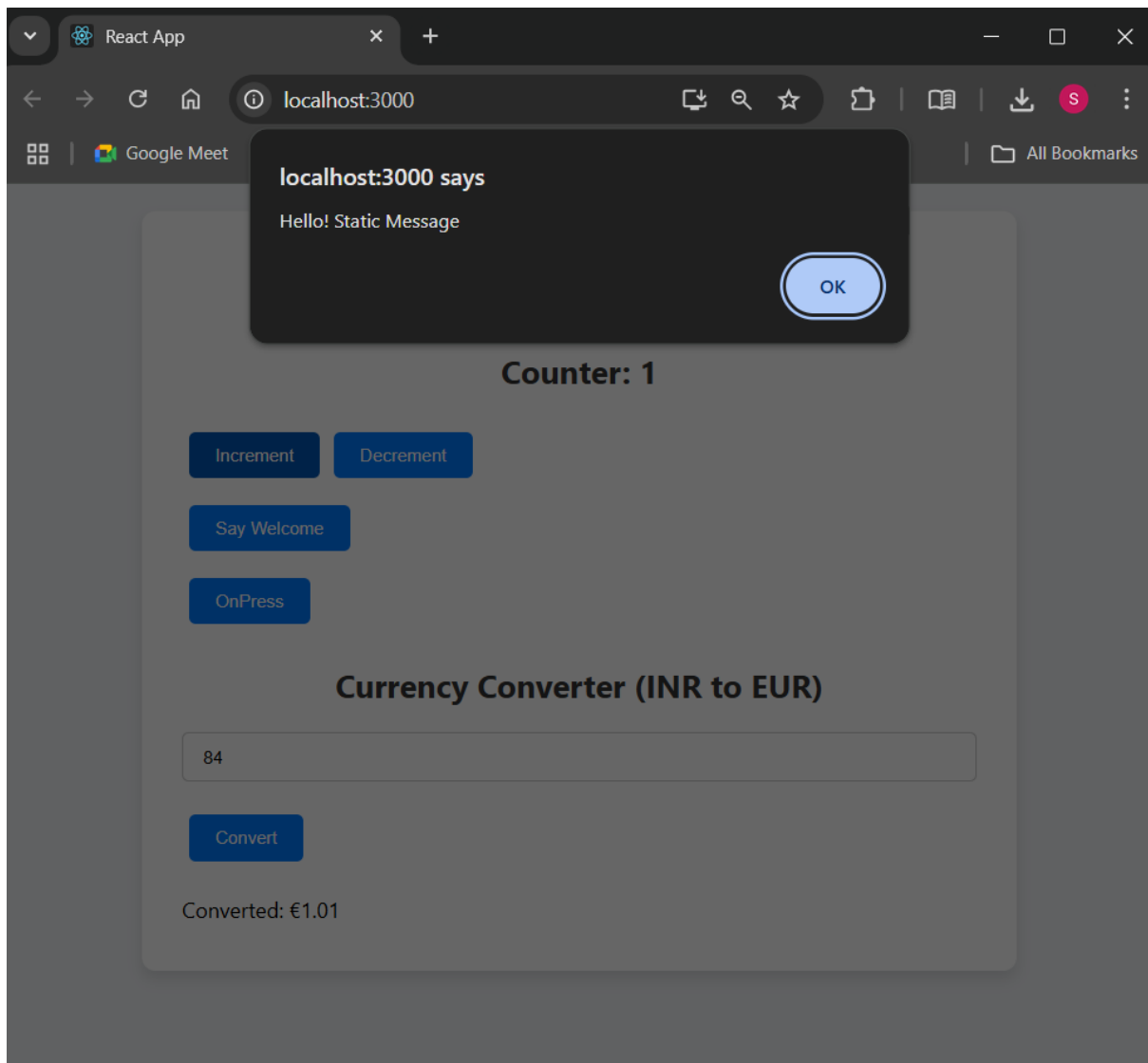
margin-bottom: 20px;

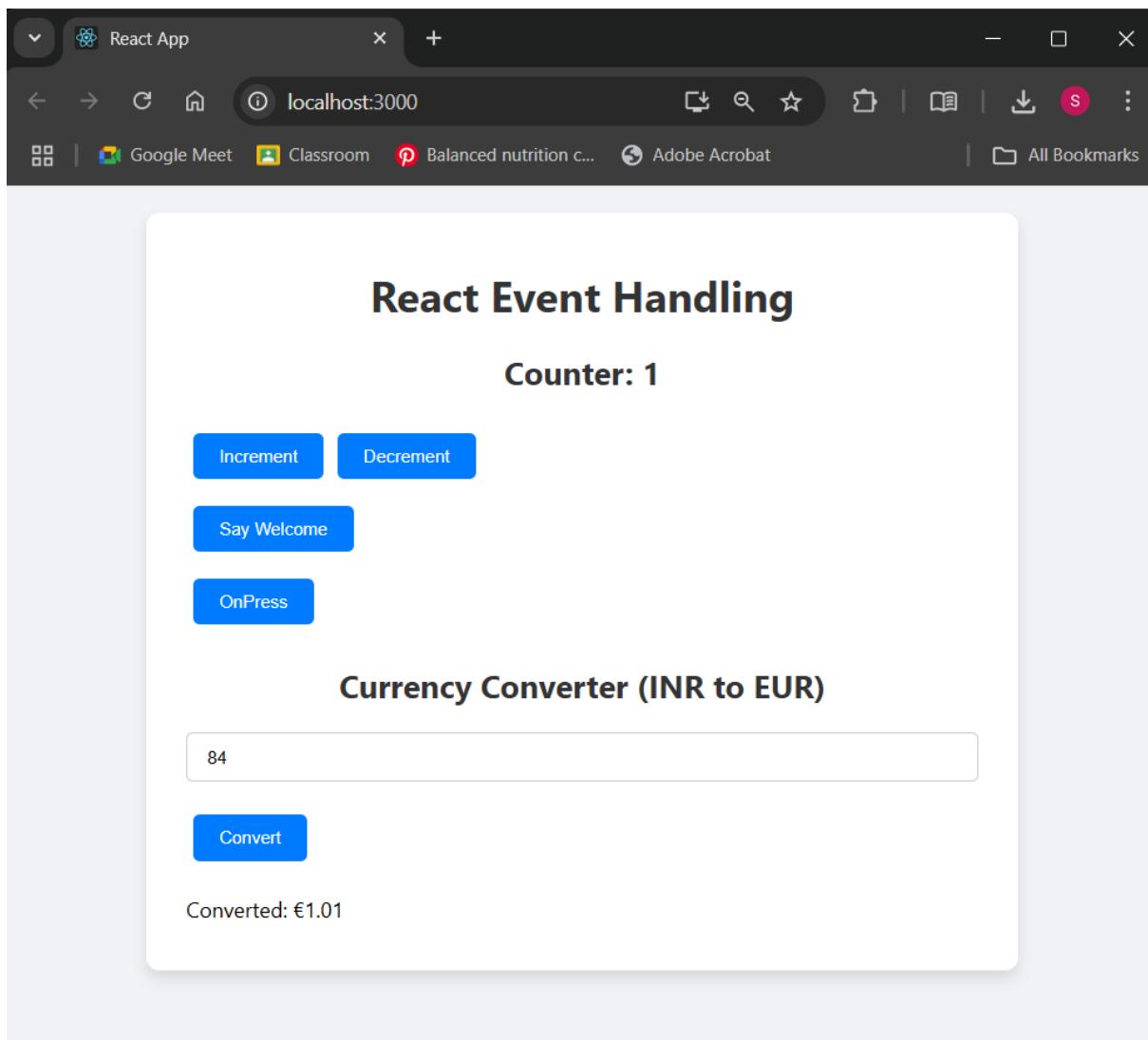
}
```

Command : npm start

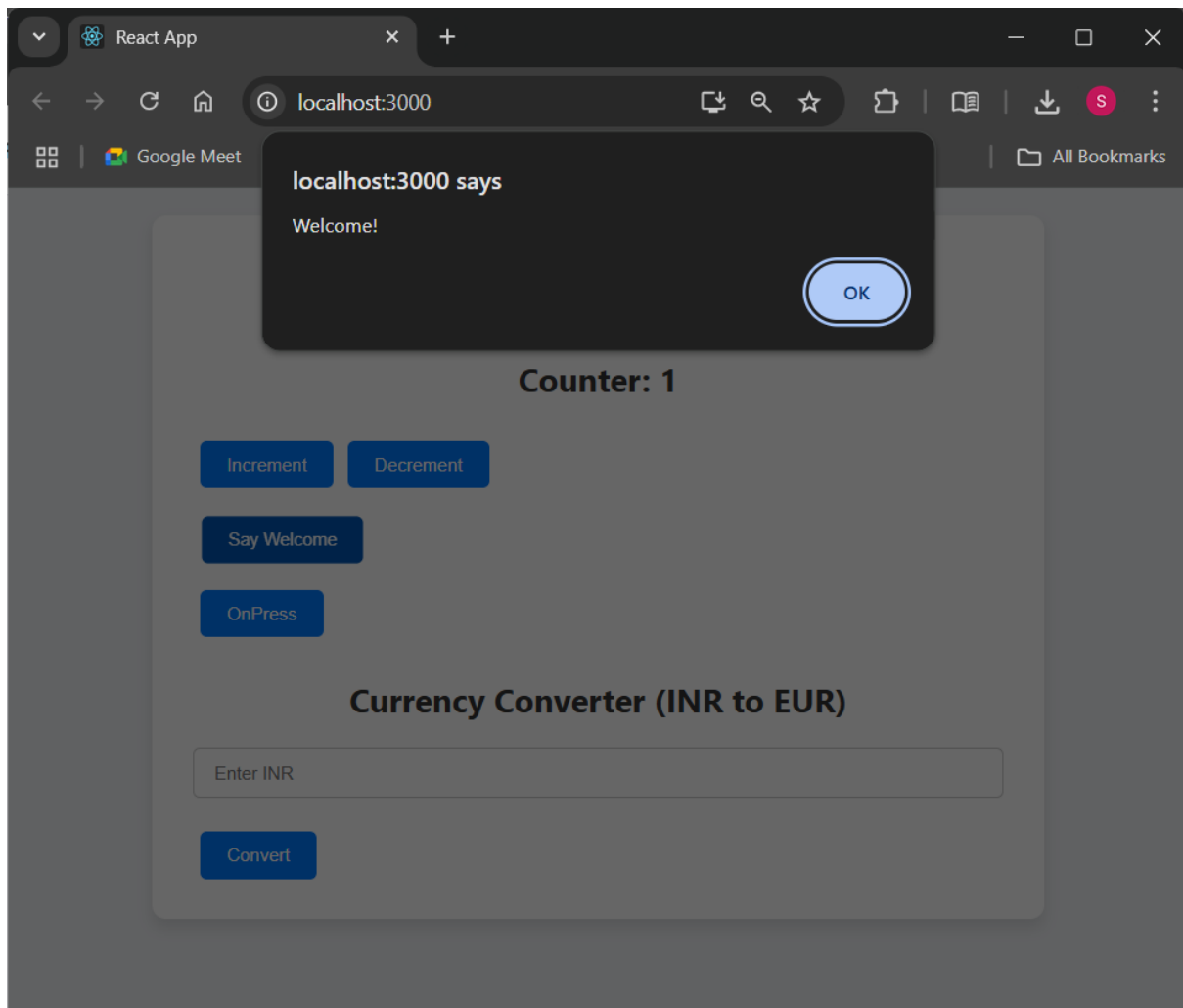
Output :

Increment

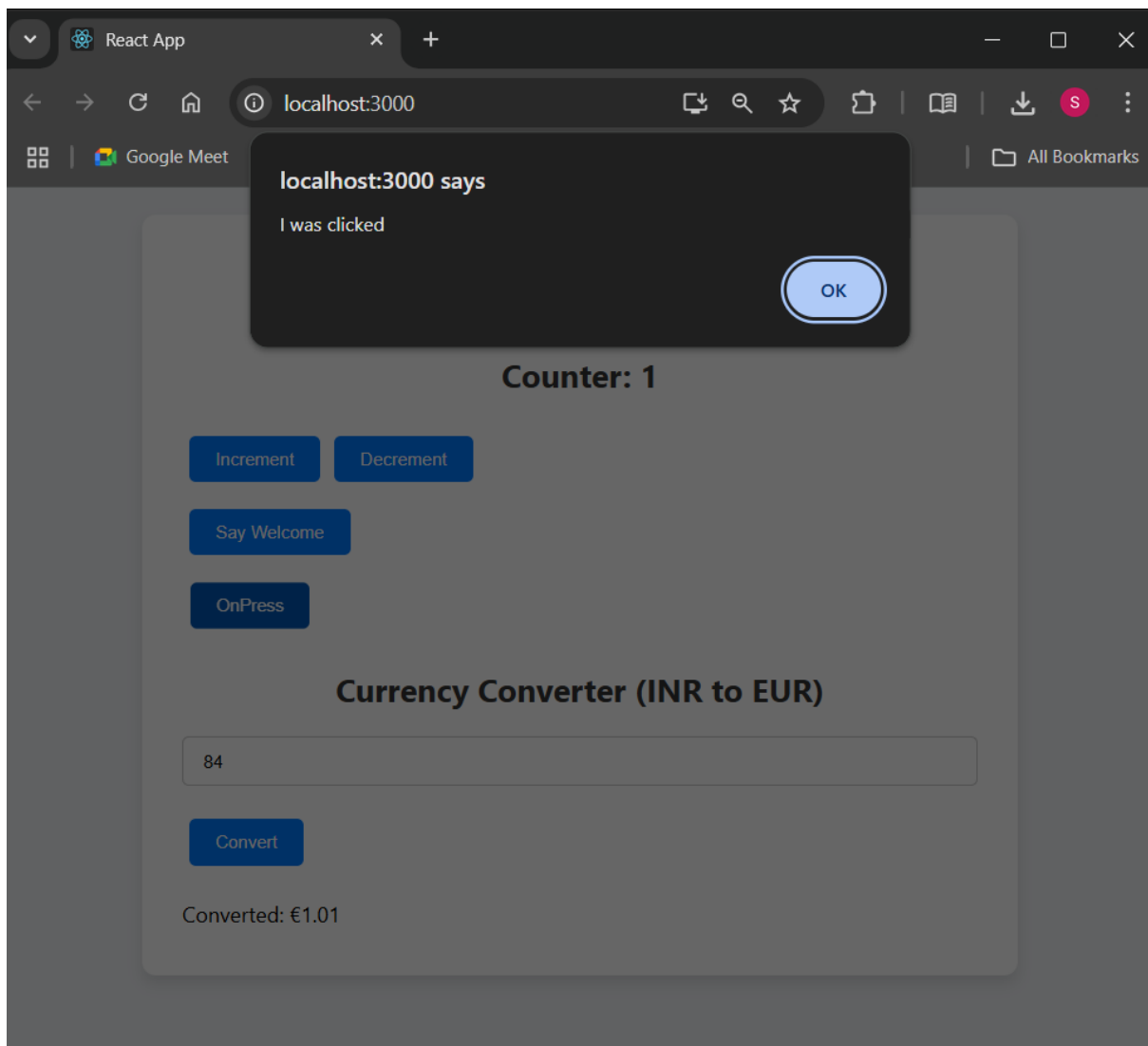




Say Welcome



OnPress



Decrement

