

9. ReactJS-HO

```
src > components > JS IndianPlayers.jsx > ...
1  import React from 'react';
2
3  const IndianPlayers = () => {
4    const players = ['Sachin1', 'Dhoni2', 'Virat3', 'Rohit4', 'Yuvraj5', 'Raina6'];
5    const [first, second, third, fourth, fifth, sixth] = players;
6
7    const T20players = [
8      'Mr. First Player',
9      'Mr. Second Player',
10     'Mr. Third Player'
11   ];
12
13   const RanjiPlayers = [
14     'Mr. Fourth Player',
15     'Mr. Fifth Player',
16     'Mr. Sixth Player'
17   ];
18
19   const merged = [...T20players, ...RanjiPlayers];
20
21   return (
22     <div>
23       <h2>Odd Players</h2>
24       <ul>
25         <li>First : {first}</li>
26         <li>Third : {third}</li>
27         <li>Fifth : {fifth}</li>
28       </ul>
29
30       <h2>Even Players</h2>
31       <ul>
32         <li>Second : {second}</li>
33         <li>Fourth : {fourth}</li>
34         <li>Sixth : {sixth}</li>
35       </ul>
36
37       <h2>List of Indian Players Merged:</h2>
38       <ul>
39         {merged.map((player, i) => (
40           <li key={i}>{player}</li>
41         ))}
42       </ul>
43     </div>
44   );
45 };
46
47 export default IndianPlayers;
```

```

src > components > JS ListofPlayers.jsx > ...
1  import React from 'react';
2
3  const ListofPlayers = () => {
4    const players = [
5      { name: 'Mr. Jack', score: 50 },
6      { name: 'Mr. Michael', score: 70 },
7      { name: 'Mr. John', score: 40 },
8      { name: 'Mr. Ann', score: 61 },
9      { name: 'Mr. Elizabeth', score: 61 },
10     { name: 'Mr. Sachin', score: 95 },
11     { name: 'Mr. Dhoni', score: 100 },
12     { name: 'Mr. Rahul', score: 84 },
13     { name: 'Mr. Jadeja', score: 64 },
14     { name: 'Mr. Rana', score: 75 },
15     { name: 'Mr. Rohit', score: 80 },
16   ];
17
18   const lowScorers = players.filter(player => player.score < 70);
19
20   return (
21     <div>
22       <h2>List of Players</h2>
23       <ul>
24         {players.map((player, index) => (
25           <li key={index}>{player.name} {player.score}</li>
26         ))}
27       </ul>
28
29       <h2>List of Players having Scores Less than 70</h2>
30       <ul>
31         {lowScorers.map((player, index) => (
32           <li key={index}>{player.name} {player.score}</li>
33         ))}
34       </ul>
35     </div>
36   );
37 };
38
39 export default ListofPlayers;

```

```

src > JS Appjs > ...
1  import React from 'react';
2  import ListofPlayers from './components/ListofPlayers';
3  import IndianPlayers from './components/IndianPlayers';
4
5  function App() {
6    return (
7      <div className="App">
8        <h1>React App</h1>
9        <ListofPlayers />
10       <IndianPlayers />
11      </div>
12    );
13  }
14
15  export default App;

```

React App

List of Players

- Mr. Jack 50
- Mr. Michael 70
- Mr. John 40
- Mr. Ann 61
- Mr. Elizabeth 61
- Mr. Sachin 95
- Mr. Dhoni 100
- Mr. Rahul 84
- Mr. Jadeja 64
- Mr. Rana 75
- Mr. Rohit 80

List of Players having Scores Less than 70

- Mr. Jack 50
- Mr. John 40
- Mr. Ann 61
- Mr. Elizabeth 61
- Mr. Jadeja 64

Odd Players

- First : Sachin1
- Third : Virat3
- Fifth : Yuvraj5

Even Players

- Second : Dhoni2
- Fourth : Rohit4
- Sixth : Raina6

List of Indian Players Merged:

- Mr. First Player
- Mr. Second Player
- Mr. Third Player
- Mr. Fourth Player
- Mr. Fifth Player
- Mr. Sixth Player

10. ReactJS-HOL

```
src > JS App.js > App
1  import React from 'react';
2
3  function App() {
4    const imageUrl = "https://images.unsplash.com/photo-1560448204-e02f11c3d0e2"; // Unsplash image
5
6    const offices = [
7      { name: "TechHub Office", rent: 55000, address: "123 Tech Park" },
8      { name: "Innovate Space", rent: 65000, address: "456 Startup Lane" },
9      { name: "CodeWorks", rent: 50000, address: "789 Developer Street" }
10   ];
11
12   const officeStyle = {
13     border: "1px solid #ccc",
14     padding: "10px",
15     marginBottom: "10px",
16     borderRadius: "8px"
17   };
18
19   return (
20     <div style={{ padding: "20px" }}>
21       <h1>Office Space Rental App</h1>
22       <img src={imageUrl} alt="Office Space" style={{ width: "300px", height: "200px" }} />
23       {offices.map((o, index) => (
24         <div key={index} style={officeStyle}>
25           <h2>{o.name}</h2>
26           <p style={{ color: o.rent < 60000 ? "red" : "green" }}>Rent: ₹{o.rent}</p>
27           <p>Address: {o.address}</p>
28         </div>
29       ))}
30     </div>
31   );
32 }
33
34 export default App;
```

```
src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import './index.css';
4  import App from './App';
5  import reportWebVitals from './reportWebVitals';
6
7  const root = ReactDOM.createRoot(document.getElementById('root'));
8  root.render(
9    <React.StrictMode>
10     <App />
11   </React.StrictMode>
12 );
13
14 reportWebVitals();
```

You can now view **officespacereentalapp** in the browser.

Local: http://localhost:3001
On Your Network: http://10.6.90.206:3001

Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled **successfully**

Office Space Rental App



TechHub Office

Rent: ₹55000

Address: 123 Tech Park

Innovate Space

Rent: ₹65000

Address: 456 Startup Lane

CodeWorks

Rent: ₹50000

Address: 789 Developer Street

11. ReactJS-HOL

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

const EventExamples = () => {
  const [count, setCount] = useState(0);
  const [rupees, setRupees] = useState('');
  const [euros, setEuros] = useState('');

  const handleIncrement = () => {
    increment();
    sayHello();
  };

  const increment = () => setCount(count + 1);
  const decrement = () => setCount(count - 1);
  const sayHello = () => console.log('Hello! Welcome to React Events!');

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

  const handleClick = (event) => {
    console.log('Synthetic Event', event);
    alert('was clicked');
  };

  const handleSubmit = () => {
    const euro = parseFloat(rupees) / 90;
    setEuros(euro.toFixed(2));
  };

  return (
    <div style={{ padding: '20px' }}>
      <h3>React Event Handling Example</h3>

      <div>
        <div>Counter: {count}</div>
        <button onClick={handleIncrement}>Increment</button>
        <button onClick={decrement}>Decrement</button>
      </div>

      <div>
        <input type="text" value={rupees} />
        <button onClick={handleClick}>Say Welcome</button>
      </div>

      <div>
        <input type="text" value={euros} />
        <button onClick={handleSubmit}>Convert</button>
      </div>
    </div>
  );
};

export default EventExamples;
```

```
import React from 'react';
import EventExamples from './EventExamples';

function App() {
  return (
    <div className="App">
      <EventExamples />
    </div>
  );
}

export default App;
```

You can now view eventexamplesapp in the browser.

Local: http://localhost:3001
On Your Network: http://10.6.90.206:3001

Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled successfully

React Event Handling Example

Counter: 2

Increment Decrement

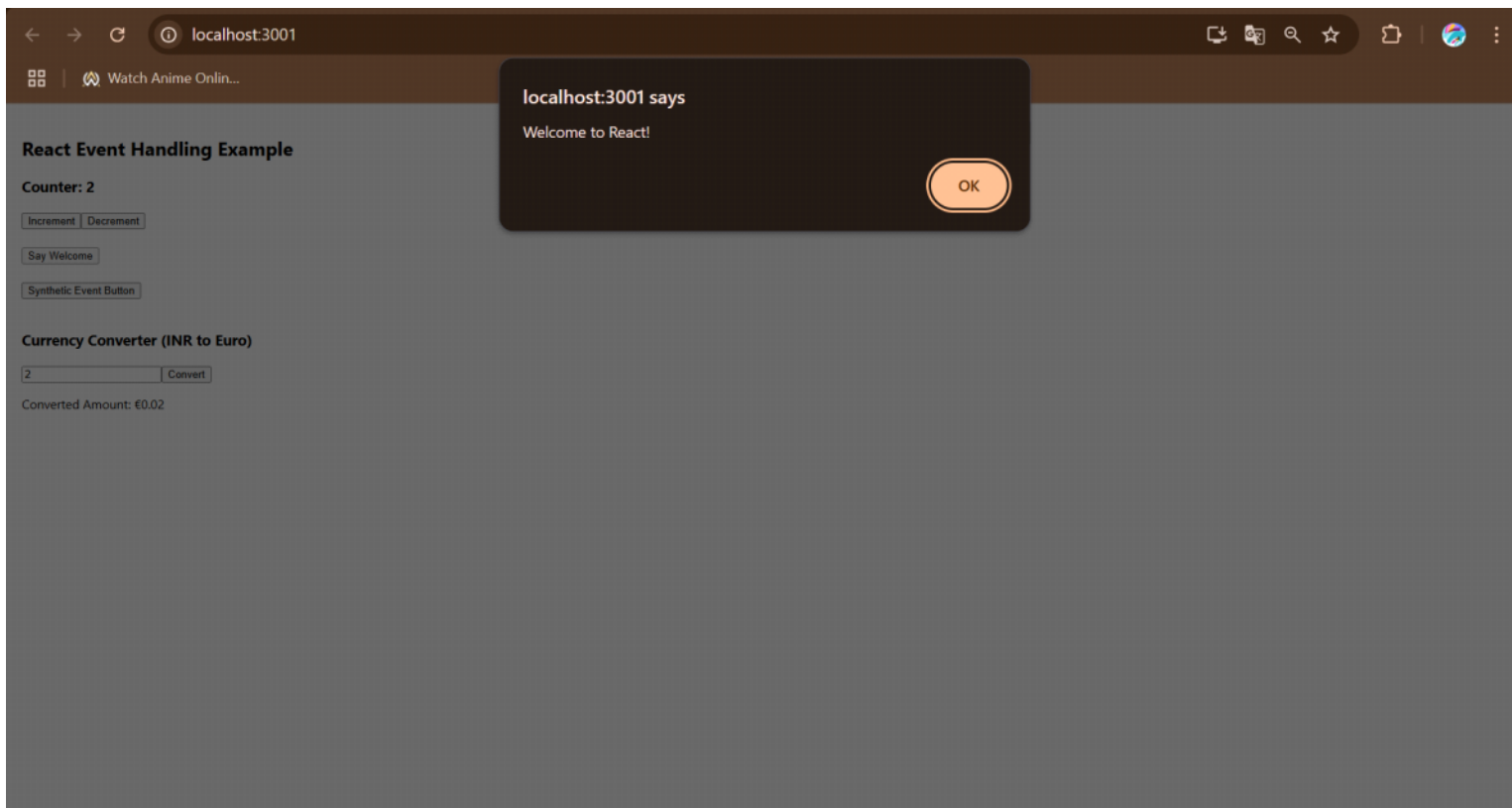
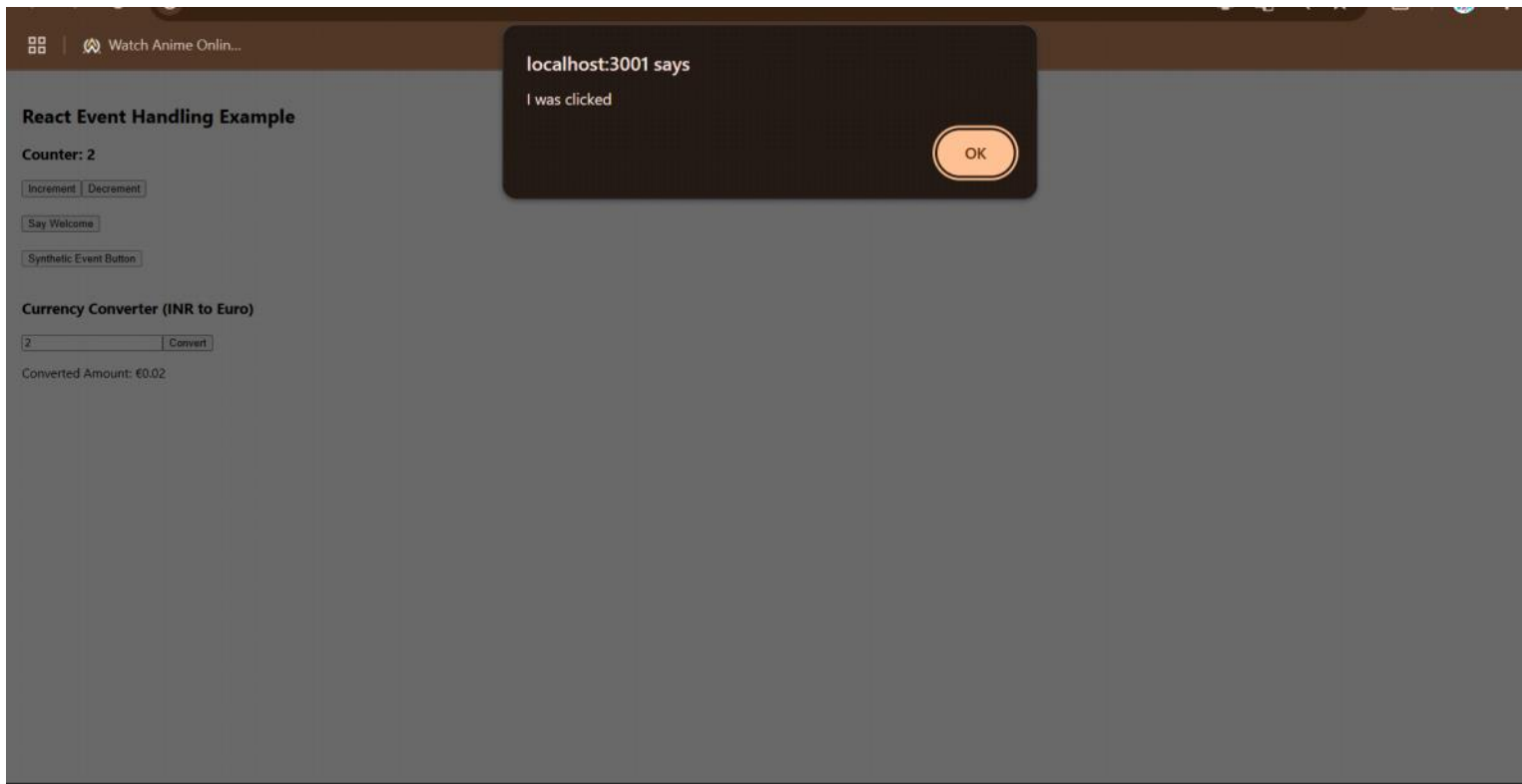
Say Welcome

Synthetic Event Button

Currency Converter (INR to Euro)

2 Convert

Converted Amount: €0.02



12. ReactJS-HOL

```
src > JS App.js > ...
1  import React, { useState } from 'react';
2  import GuestPage from './GuestPage';
3  import UserPage from './UserPage';
4
5  function App() {
6    const [isLoggedIn, setIsLoggedIn] = useState(false);
7
8    const handleLogin = () => setIsLoggedIn(true);
9    const handleLogout = () => setIsLoggedIn(false);
10
11    return (
12      <div style={{ textAlign: 'center', marginTop: '50px' }}>
13        <h1>Ticket Booking App</h1>
14        {isLoggedIn ? (
15          <>
16            <UserPage />
17            <button onClick={handleLogout}>Logout</button>
18          </>
19        ) : (
20          <>
21            <GuestPage />
22            <button onClick={handleLogin}>Login</button>
23          </>
24        )}
25      </div>
26    );
27  }
28
29  export default App;
```

```
src > JS GuestPage.js > ...
1  import React from 'react';
2
3  function GuestPage() {
4    return (
5      <div>
6        <h2>Welcome Guest</h2>
7        <p>Browse available flights.</p>
8      </div>
9    );
10  }
11
12  export default GuestPage;
```


Compiled successfully!

You can now view `ticketbookingapp` in the browser.

Local: `http://localhost:3002`

On Your Network: `http://10.6.90.206:3002`

Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled **successfully**

Ticket Booking App

Welcome Guest

Browse available flights.

Login

Ticket Booking App

Welcome User

You can now book tickets.

Logout

13. ReactJS-HOL



```
src > JS App.js > ...
1  import React from 'react';
2  import './App.css';
3  import CourseDetails from './components/CourseDetails';
4  import BookDetails from './components/BookDetails';
5  import BlogDetails from './components/BlogDetails';
6
7  function App() {
8    const courses = [
9      { title: "Angular", date: "4/5/2021" },
10     { title: "React", date: "6/3/2021" }
11   ];
12
13   const books = [
14     { title: "Master React", price: 670 },
15     { title: "Deep Dive into Angular 11", price: 800 },
16     { title: "Mongo Essentials", price: 450 }
17   ];
18
19   const blogs = [
20     { title: "React Learning", author: "Stephen Biz", content: "Welcome to learning React!" },
21     { title: "Installation", author: "Schwezenier", content: "You can install React from npm." }
22   ];
23
24   return (
25     <div className="container">
26       <CourseDetails courses={courses} />
27       <BookDetails books={books} />
28       <BlogDetails blogs={blogs} />
29     </div>
30   );
31 }
32
33 export default App;
```

```
src > components > JS BlogDetails.js > ...
1  import React from 'react';
2
3  const BlogDetails = ({ blogs }) => {
4    return (
5      <div className="column">
6        <h2>Blog Details</h2>
7        {blogs.map((blog, index) => (
8          <div key={index}>
9            <strong>{blog.title}</strong>
10           <div><em>{blog.author}</em></div>
11           <div>{blog.content}</div>
12         </div>
13       )]}
14     </div>
15   );
16 };
17
18 export default BlogDetails;
```

```
src > components > JS BookDetails.js > ...
1  import React from 'react';
2
3  const BookDetails = ({ books }) => {
4    return (
5      <div className="column">
6        <h2>Book Details</h2>
7        {books.map((book, index) => (
8          <div key={index}>
9            <strong>{book.title}</strong>
10           <div>{book.price}</div>
11         </div>
12       )]}
13     </div>
14   );
15 };
16
17 export default BookDetails;
18
```

```
src > components > JS CourseDetails.js > ...
1  import React from 'react';
2
3  const CourseDetails = ({ courses }) => {
4    return (
5      <div className="column">
6        <h2>Course Details</h2>
7        {courses.map((course, index) => (
8          <div key={index}>
9            <strong>{course.title}</strong>
10           <div>{course.date}</div>
11         </div>
12       )]}
13     </div>
14   );
15 };
16
17 export default CourseDetails;
18
```

```

src > # App.css >  .container
1  body {
2      margin: 0;
3      padding: 0;
4      box-sizing: border-box;
5  }
6
7  .container {
8      display: flex;
9      justify-content: center;
10     align-items: flex-start;
11     gap: 60px;
12     padding: 50px;
13     font-family: sans-serif;
14     min-height: 100vh;
15 }
16
17 .column {
18     padding: 0 20px;
19     border-left: 4px solid  green;
20 }
21
22 .column:first-child {
23     border-left: none;
24 }
25
26 .column h2 {
27     text-align: center;
28     margin-bottom: 20px;
29 }
30
31 .column div {
32     margin-bottom: 15px;
33 }
34

```

Course Details

Angular
4/5/2021

React
6/3/2021

Book Details

Master React
670

Deep Dive into Angular 11
800

Mongo Essentials
450

Blog Details

React Learning
Stephen Biz

Welcome to learning React!

Installation
Schwezenier

You can install React from npm.