React 9 HandsOn:

App.js:

import React from 'react';

import './App.css';

import ListofPlayers from './Cricketers';

import { OddPlayers, EvenPlayers, IndianPlayers } from './PlayerOrder';

function App() {

const flag = false;

const players = [

{ name: 'Virat', score: 95 },

{ name: 'Rohit', score: 88 },

{ name: 'Gill', score: 65 },

{ name: 'Rahul', score: 70 },

{ name: 'Pant', score: 55 },

{ name: 'Hardik', score: 80 },

{ name: 'Dhoni', score: 45 },

{ name: 'Jadeja', score: 60 },

{ name: 'Ashwin', score: 85 },

{ name: 'Bumrah', score: 90 },

{ name: 'Shami', score: 50 }

];

return (

<div className="App">

<h1>List of players</h1>

{flag ? (

<ListofPlayers players={players} />

) : (

<>

<OddPlayers players={[players[0], players[2], players[4]]} />

<EvenPlayers players={[players[1], players[3], players[5]]} />

</>

)}

</div>

);

}

export default App;

PlayerOrder.js:

import React from 'react';

export function OddPlayers([first, third, fifth]){

return(

<div>

<h2>Odd Players:</h2>

<ul>

<li>Mr. {first.name} - <span>{first.score}</span></li>

<li>Mr. {third.name} - <span>{third.score}</span></li>

<li>Mr. {fifth.name} - <span>{fifth.score}</span></li>

</ul>

</div>

);

}

export function EvenPlayers([second, fourth, sixth]){

return(

<div>

<h2>Odd Players:</h2>

<ul>

<li>Mr. {second.name} - <span>{second.score}</span></li>

<li>Mr. {fourth.name} - <span>{fourth.score}</span></li>

<li>Mr. {sixth.name} - <span>{sixth.score}</span></li>

</ul>

</div>

);

}

const T20Players = ['First Player', 'Second Player', 'Third Player'];

const RanjiTrophyPlayers = ['Fourth Player', 'Fifth Player', 'Sixth Player'];

export const IndianPlayers = [...T20Players, ...RanjiTrophyPlayers];

Cricketers.js:

import React from 'react';

export function OddPlayers([first, third, fifth]){

return(

<div>

<h2>Odd Players:</h2>

<ul>

<li>Mr. {first.name} - <span>{first.score}</span></li>

<li>Mr. {third.name} - <span>{third.score}</span></li>

<li>Mr. {fifth.name} - <span>{fifth.score}</span></li>

</ul>

</div>

);

}

export function EvenPlayers([second, fourth, sixth]){

return(

<div>

<h2>Odd Players:</h2>

<ul>

<li>Mr. {second.name} - <span>{second.score}</span></li>

<li>Mr. {fourth.name} - <span>{fourth.score}</span></li>

<li>Mr. {sixth.name} - <span>{sixth.score}</span></li>

</ul>

</div>

);

}

const T20Players = ['First Player', 'Second Player', 'Third Player'];

const RanjiTrophyPlayers = ['Fourth Player', 'Fifth Player', 'Sixth Player'];

export const IndianPlayers = [...T20Players, ...RanjiTrophyPlayers];

React 10 HandsOn:

App.js:

import logo from './logo.svg';

import './App.css';

function App() {

const place="Office Space";

const url="https://cdn.sanity.io/images/uqxwe2qj/production/62db3c671745e98cb27690dff96f8033d2bb7f35-2048x1010.jpg";

const itemName={Name:"Office Space", Price:"80000", Location:"Chennai"};

const jsxatt = (

<img src={url} width="25%" height="25%" alt="Office Space" />

);

let colors=[];

if(itemName.Price<=60000){

colors.push("Red");

}

else{

colors.push("Green");

}

return (

<div className="App">

<h1>{place}, at Affordable Range</h1>

{jsxatt}

<h1>Name: {itemName.Name}</h1>

<h3 className={colors.join(" ")}>Rent: Rs. {itemName.Price}</h3>

<h3>Address: {itemName.Location}</h3>

</div>

);

}

export default App;

App.css:

.Green{

color: green;

}

.Red{

color: red;

}

React 11 HandOn:

converter.js:

import React, { useState } from 'react';

function CurrencyConvertor() {

const [amount, setAmount] = useState('');

const [currency, setCurrency] = useState('');

const handleSubmit = (event) => {

event.preventDefault();

const converted = parseFloat(amount) \* 80;

alert(`Converting to Euro Amount is ${converted}`);

setCurrency(converted);

};

return (

<div>

<h2 style={{ color: "green" }}>Currency Convertor!!!</h2>

<form onSubmit={handleSubmit}>

<label>Amount:</label>

<input

type="text"

value={amount}

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

/><br /><br />

<label>Currency:</label>

<textarea value={currency} readOnly /><br /><br />

<button type="submit">Submit</button>

</form>

</div>

);

}

export default CurrencyConvertor;

App.js:

import CurrencyConvertor from './converter';

import react, {useState} from 'react';

function App() {

const [count, setCount] = useState(5);

const [message, setMessage] = useState("");

const [syntheticClickMessage, setSyntheticClickMessage] = useState("");

const increment=()=>{

setCount(perv=> perv + 1);

}

const messages=()=>{

alert("Hello Message!");

}

const handleIncrement = () => {

increment();

message();

}

const decrement = () => {

setCount(prev => prev - 1);

}

const sayWelcome = (msg) => {

alert(`Message received: ${msg}`);

};

const click = () => {

alert('clicked successfully');

};

return (

<div style={{ padding: '20px' }}>

<h3>{count}</h3>

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

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

<br /><br />

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

<br /><br />

<button onClick={click}>Click on me</button>

<br /><br />

<CurrencyConvertor />

</div>

);

}

export default App;

React 12 HandsOn:

App.js:

import React, { useState } from 'react';

function LoginButton(props) {

return (

<button onClick={props.onClick}>

Login

</button>

);

}

function LogoutButton(props) {

return (

<button onClick={props.onClick}>

Logout

</button>

);

}

function UserGreeting() {

return <h1>Welcome back!</h1>;

}

function GuestGreeting(props) {

const [name, setName] = useState('');

const handleSubmit = (e) => {

e.preventDefault();

if (name.trim()) {

props.onSignup();

} else {

alert('Please enter a name!');

}

};

return (

<div>

<h2>Sign Up</h2>

<form onSubmit={handleSubmit}>

<input

type="text"

placeholder="Enter name"

value={name}

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

/>

<br /><br />

<button type="submit">Login</button>

</form>

</div>

);

}

function Greeting(props) {

const isLoggedIn = props.isLoggedIn;

if (isLoggedIn) {

return <UserGreeting />;

}

return <GuestGreeting onSignup={props.onLogin} />;

}

function App() {

const [isLoggedIn, setIsLoggedIn] = useState(false);

const handleLoginClick = () => {

setIsLoggedIn(true);

};

const handleLogoutClick = () => {

setIsLoggedIn(false);

};

return (

<div style={{ textAlign: 'center', marginTop: '50px' }}>

<Greeting isLoggedIn={isLoggedIn} onLogin={handleLoginClick} />

<br />

{isLoggedIn ? (

<LogoutButton onClick={handleLogoutClick} />

) : null}

</div>

);

}

export default App;

React 13 HandsOn:

App.js:

import React from 'react';

import './App.css';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './courseDetail';

function App() {

const books = [

{ id: 1, bname: 'Master .Net', price: 800 },

{ id: 2, bname: 'Deep Dive into React', price: 400 },

{ id: 3, bname: 'SQL Server Essentials', price: 450 },

];

const blogs = [

{ title: 'React Learning', author: 'Stephen Biz', description: 'Welcome to learning React!' },

{ title: 'Installation', author: 'Schewzdenier', description: 'You can install React from npm.' },

];

const courses = [

{ name: '.Net', date: '04/07/2025' },

{ name: 'React', date: '06/06/2025' },

];

const showBooks = true;

const showCourses = true;

const showBlogs = true;

return (

<div className="App" style={{ display: 'flex', justifyContent: 'space-around' }}>

<div className="mystyle1">

<h1>Course Details</h1>

<CourseDetails showCourses={showCourses} courses={courses} />

</div>

<div className="st2">

<h1>Book Details</h1>

{showBooks && <BookDetails books={books} />} {/\* Method 4: Inline conditional \*/}

</div>

<div className="v1">

<h1>Blog Details</h1>

<BlogDetails showBlogs={showBlogs} blogs={blogs} />

</div>

</div>

);

}

export default App;

courseDetail.js:

import React from 'react';

const CourseDetails = ({ showCourses, courses }) => {

return (

<div>

{showCourses ? (

<ul>

{courses.map((course, index) => (

<div key={index}>

<h2>{course.name}</h2>

<h5>{course.date}</h5>

</div>

))}

</ul>

) : (

<p>No course data to display</p>

)}

</div>

);

};

export default CourseDetails;

BlogDetails.js:

import React from 'react';

const BlogDetails = ({ showBlogs, blogs }) => {

return (

<>

{showBlogs && blogs.map((blog, index) => (

<div key={index}>

<h2>{blog.title}</h2>

<h4><i>{blog.author}</i></h4>

<p>{blog.description}</p>

</div>

))}

</>

);

};

export default BlogDetails;

BookDetails.js:

import React from 'react';

const BookDetails = ({ books }) => {

if (!books || books.length === 0) return <p>No books available</p>;

return (

<ul>

{books.map((book) => (

<div key={book.id}>

<h3>{book.bname}</h3>

<h4>{book.price}</h4>

</div>

))}

</ul>

);

};

export default BookDetails;