React

**BookDetails.js**

import React from 'react';

const books = [

{ id: 1, title: "The Alchemist", author: "Paulo Coelho" },

{ id: 2, title: "Wings of Fire", author: "A.P.J Abdul Kalam" },

{ id: 3, title: "Atomic Habits", author: "James Clear" }

];

const BookDetails = () => {

return (

<div>

<h2>📚 Book Details</h2>

<ul>

{books.map(book => (

<li key={book.id}>{book.title} - {book.author}</li>

))}

</ul>

</div>

);

};

export default BookDetails;

**BlogDetails.js**

import React from 'react';

const blogs = [

{ id: 1, title: "React Basics", author: "Jane" },

{ id: 2, title: "Understanding JSX", author: "John" },

{ id: 3, title: "State vs Props", author: "Emily" }

];

const BlogDetails = () => {

return (

<div>

<h2>📝 Blog Details</h2>

<ul>

{blogs.map(blog => (

<li key={blog.id}>{blog.title} by {blog.author}</li>

))}

</ul>

</div>

);

};

export default BlogDetails;

**CourseDetails.js**

import React from 'react';

const courses = [

{ id: 1, name: "ReactJS", duration: "6 weeks" },

{ id: 2, name: "NodeJS", duration: "5 weeks" },

{ id: 3, name: "MongoDB", duration: "4 weeks" }

];

const CourseDetails = () => {

return (

<div>

<h2>🎓 Course Details</h2>

<ul>

{courses.map(course => (

<li key={course.id}>{course.name} - {course.duration}</li>

))}

</ul>

</div>

);

};

export default CourseDetails;

**App.js**

// src/App.js

import React, { useState } from 'react';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

function App() {

const [view, setView] = useState("books");

// Conditional rendering using if-else

let componentToRender;

if (view === "books") {

componentToRender = <BookDetails />;

} else if (view === "blogs") {

componentToRender = <BlogDetails />;

} else {

componentToRender = <CourseDetails />;

}

return (

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

<h1>📘 Blogger App</h1>

{/\* Conditional Rendering with ternary operator \*/}

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

<button onClick={() => setView("books")}>Books</button>

<button onClick={() => setView("blogs")} style={{ marginLeft: '10px' }}>Blogs</button>

<button onClick={() => setView("courses")} style={{ marginLeft: '10px' }}>Courses</button>

</div>

{/\* Render based on selection \*/}

{componentToRender}

{/\* Conditional rendering using short-circuit AND \*/}

{view === "books" && <p>You're viewing Books!</p>}

{view === "blogs" && <p>You're reading Blogs!</p>}

{view === "courses" && <p>You're seeing Courses!</p>}

</div>

);

}

export default App;

**Output:**





