### 1. App.js

import React, { useState } from 'react';import BookDetails from './BookDetails';import BlogDetails from './BlogDetails';import CourseDetails from './CourseDetails';

function App() {

const [activeComponent, setActiveComponent] = useState("book");

// Conditional rendering using element variable

let renderedComponent;

if (activeComponent === "book") {

renderedComponent = <BookDetails />;

} else if (activeComponent === "blog") {

renderedComponent = <BlogDetails />;

} else {

renderedComponent = <CourseDetails />;

}

return (

<div>

<h1>Blogger App</h1>

{/\* Conditional Rendering using buttons \*/}

<button onClick={() => setActiveComponent("book")}>Book</button>

<button onClick={() => setActiveComponent("blog")}>Blog</button>

<button onClick={() => setActiveComponent("course")}>Course</button>

<hr />

{/\* Render using element variable \*/}

{renderedComponent}

</div>

);

}

export default App;

**2. BookDetails.js**

import React from 'react';

function BookDetails() {

const books = [

{ id: 1, title: "React for Beginners" },

{ id: 2, title: "JavaScript Essentials" },

{ id: 3, title: "Clean Code" }

];

return (

<div>

<h2>Book Details</h2>

<ul>

{books.map(book => (

<li key={book.id}>

{book.title}

</li>

))}

</ul>

</div>

);

}

export default BookDetails;

3. BlogDetails.js

import React from 'react';

function BlogDetails() {

const blogs = [

{ id: 1, title: "Learning React", author: "Alice" },

{ id: 2, title: "JSX Tricks", author: "Bob" },

{ id: 3, title: "Hooks in Depth", author: "Charlie" }

];

return (

<div>

<h2>Blog Details</h2>

{blogs.length > 0 ? (

blogs.map(blog => (

<div key={blog.id}>

<strong>{blog.title}</strong> by {blog.author}

</div>

))

) : (

<p>No blogs available</p>

)}

</div>

);

}

export default BlogDetails;

**4. CourseDetails.js**

import React from 'react';

function CourseDetails() {

const courses = ["React", "Node.js", "Express", "MongoDB"];

return (

<div>

<h2>Course Details</h2>

{courses.length && (

<ul>

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

<li key={index}>{course}</li>

))}

</ul>

)}

</div>

);

}

export default CourseDetails;

**OUTPUT:**

