**13. ReactJS-HOL**

**App.js**

import React, { useState } from 'react';

import './App.css';

import BookDetails from './components/BookDetails';

import BlogDetails from './components/BlogDetails';

import CourseDetails from './components/CourseDetails';

function App() {

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

// Conditional Rendering - different methods

// 1. Using if-else

const renderComponentIfElse = () => {

if (activeComponent === "book") {

return <BookDetails />;

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

return <BlogDetails />;

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

return <CourseDetails />;

} else {

return <p>Please select a component</p>;

}

};

return (

<div className="App">

<h1>📘 Blogger App</h1>

<div className="buttons">

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

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

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

</div>

{/\* 2. Ternary Operator \*/}

<div className="section">

<h3>Ternary Rendering:</h3>

{activeComponent === "book" ? <BookDetails /> : null}

</div>

{/\* 3. Logical && Operator \*/}

<div className="section">

<h3>Logical AND Rendering:</h3>

{activeComponent === "blog" && <BlogDetails />}

</div>

{/\* 4. Using Function (if-else) \*/}

<div className="section">

<h3>If-Else Function Rendering:</h3>

{renderComponentIfElse()}

</div>

{/\* 5. Switch Case Rendering \*/}

<div className="section">

<h3>Switch Case Rendering:</h3>

{{

book: <BookDetails />,

blog: <BlogDetails />,

course: <CourseDetails />,

}[activeComponent] || <p>Select a component</p>}

</div>

</div>

);

}

export default App;  
  
  
**BookDetails.js**

import React from 'react';

const BookDetails = () => {

return (

<div className="card">

<h2>📚 Book Details</h2>

<p>Title: React Made Easy</p>

<p>Author: Santhosh D</p>

<p>Price: ₹499</p>

</div>

);

};

export default BookDetails;

**BlogDetails.js**

import React from 'react';

const BlogDetails = () => {

return (

<div className="card">

<h2>✍️ Blog Details</h2>

<p>Title: Learning React</p>

<p>Author: Jane Doe</p>

<p>Date: Aug 2025</p>

</div>

);

};

export default BlogDetails;

**CourseDetails.js**

import React from 'react';

const CourseDetails = () => {

return (

<div className="card">

<h2>🎓 Course Details</h2>

<p>Name: React Fundamentals</p>

<p>Instructor: John Smith</p>

<p>Duration: 4 Weeks</p>

</div>

);

};

export default CourseDetails;

**OUTPUT :**

A screenshot of a book

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.