**FILE STRUCTURES**

A screenshot of a computer program

AI-generated content may be incorrect.

**App.js**

import React, { useState } from "react";

import BookDetails from "./components/BookDetails";

import BlogDetails from "./components/BlogDetails";

import CourseDetails from "./components/CourseDetails";

import "./App.css";

function App() {

  const [selected, setSelected] = useState("book");

  // Method 1: If-Else

  const renderComponentIfElse = () => {

    if (selected === "book") return <BookDetails />;

    else if (selected === "blog") return <BlogDetails />;

    else return <CourseDetails />;

  };

  // Method 2: Ternary Operator

  const renderComponentTernary = () =>

    selected === "book" ? <BookDetails /> : <CourseDetails />;

  // Method 3: Logical AND

  const renderComponentLogicalAnd = () => (

    <>

      {selected === "book" && <BookDetails />}

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

      {selected === "course" && <CourseDetails />}

    </>

  );

  // Method 4: Switch (inside function)

  const renderComponentSwitch = () => {

    switch (selected) {

      case "book":

        return <BookDetails />;

      case "blog":

        return <BlogDetails />;

      case "course":

        return <CourseDetails />;

      default:

        return <BookDetails />;

    }

  };

  return (

    <div className="App">

      <h1>Blogger App - Conditional Rendering</h1>

      <div>

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

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

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

      </div>

      <hr />

      <h3>Rendered using If-Else</h3>

      {renderComponentIfElse()}

      <h3>Rendered using Ternary Operator</h3>

      {renderComponentTernary()}

      <h3>Rendered using Logical AND</h3>

      {renderComponentLogicalAnd()}

      <h3>Rendered using Switch Case</h3>

      {renderComponentSwitch()}

    </div>

  );

}

export default App;

**BlogDetails.js**

import React from "react";

const BlogDetails = () => {

  return (

    <div className="container">

      <h2>Blog Details</h2>

      <p>Blog Title: Mastering React Conditional Rendering</p>

      <p>Author: Jane Doe</p>

      <p>Published: August 2025</p>

    </div>

  );

};

export default BlogDetails;

**BookDetails.js**

import React from "react";

const BookDetails = () => {

  return (

    <div className="container">

      <h2>Book Details</h2>

      <p>Title: React Fundamentals</p>

      <p>Author: Dan Abramov</p>

      <p>Publisher: OpenAI Press</p>

    </div>

  );

};

export default BookDetails;

**CourseDetails.js**

import React from "react";

const CourseDetails = () => {

  return (

    <div className="container">

      <h2>Course Details</h2>

      <p>Course Name: Full Stack Development with React</p>

      <p>Duration: 3 Months</p>

      <p>Instructor: John Smith</p>

    </div>

  );

};

export default CourseDetails;

**OUTPUT SCREENSHOTS**

**A screen shot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

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