**13.REACT**

**Index.html**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <meta name="theme-color" content="#000000" />

    <meta

      name="description"

      content="Web site created using create-react-app"

    />

    <link rel="apple-touch-icon" href="%PUBLIC\_URL%/logo192.png" />

    <link rel="manifest" href="%PUBLIC\_URL%/manifest.json" />

    <title>Blogger App</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div> <!-- This is where your React app renders -->

  </body>

</html>

**App.js**

import React, { useState } from 'react';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

function App() {

  const [component, setComponent] = useState('book');

  let element = null;

  if (component === 'book') {

    element = <BookDetails />;

  } else if (component === 'blog') {

    element = <BlogDetails />;

  } else {

    element = <CourseDetails />;

  }

  return (

    <div style={{ padding: '20px' }}>

      <h1>Blogger App</h1>

      <button onClick={() => setComponent('book')}>Book</button>

      <button onClick={() => setComponent('blog')}>Blog</button>

      <button onClick={() => setComponent('course')}>Course</button>

      <hr />

      {/\* Example of conditional rendering using ternary \*/}

      {component === 'blog' ? <BlogDetails /> : null}

      {/\* Using && \*/}

      {component === 'course' && <CourseDetails />}

      {/\* Using extracted if-else result \*/}

      {element}

    </div>

  );

}

export default App;

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

**BlogDetails.js**

const BlogDetails = () => <div><h2>Blog Details</h2><p>This is about blogs.</p></div>;

export default BlogDetails;

**BookDetails.js**

const BookDetails = () => <div><h2>Book Details</h2><p>This is about books.</p></div>;

export default BookDetails;

**CourseDetails.js**

const CourseDetails = () => <div><h2>Course Details</h2><p>This is about courses.</p></div>;

export default CourseDetails;

**Output:**





