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1. **ReactJS**

**Various Ways of Conditional Rendering in React**

Conditional rendering lets you display components or elements based on conditions.

1. Using if statement
2. Using ternary operator
3. Using && operator
4. Using element variables

**Keys in React Applications**

Keys are unique identifiers used by React to efficiently update and render list items.

**React Map / map() Function**

React uses the standard JavaScript .map() function to render lists dynamically.

**Create a React App named “bloggerapp” in with 3 components.**

**1.Book Details**

**2.Blog Details**

**3.Course Details**

**Implement this with as many ways possible of Conditional Rendering.**

**App.js**

import React from "react";

import CourseDetails from "./CourseDetails";

import BookDetails from "./BookDetails";

import BlogDetails from "./BlogDetails";

function App() {

return (

<div style={styles.container}>

<div style={styles.section}><CourseDetails /></div>

<div style={styles.divider}></div>

<div style={styles.section}><BookDetails /></div>

<div style={styles.divider}></div>

<div style={styles.section}><BlogDetails /></div>

</div>

);

}

const styles = {

container: {

display: "flex",

justifyContent: "space-around",

alignItems: "flex-start",

padding: "20px",

},

section: {

width: "30%",

},

divider: {

borderLeft: "4px solid green",

height: "100%",

margin: "0 10px",

},

};

export default App;

**CourseDetails.js**

import React from "react";

function CourseDetails() {

const courses = [

{ name: "Angular", date: "4/5/2021" },

{ name: "React", date: "6/3/2021" },

];

return (

<div>

<h2>Course Details</h2>

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

<div key={index}>

<h3>{course.name}</h3>

<p>{course.date}</p>

</div>

))}

</div>

);

}

export default CourseDetails;

**BookDetails.js**

import React from "react";

function BookDetails() {

const books = [

{ name: "Master React", price: 670 },

{ name: "Deep Dive into Angular 11", price: 800 },

{ name: "Mongo Essentials", price: 450 },

];

return (

<div>

<h2>Book Details</h2>

{books.map((book, index) => (

<div key={index}>

<h3>{book.name}</h3>

<p>{book.price}</p>

</div>

))}

</div>

);

}

export default BookDetails;

**BlogDetails.js**

import React from "react";

function BlogDetails() {

const blogs = [

{

title: "React Learning",

author: "Stephen Biz",

content: "Welcome to learning React!",

},

{

title: "Installation",

author: "Schwezdenier",

content: "You can install React from npm.",

},

];

return (

<div>

<h2>Blog Details</h2>

{blogs.map((blog, index) => (

<div key={index}>

<h3>{blog.title}</h3>

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

<p>{blog.content}</p>

</div>

))}

</div>

);

}

export default BlogDetails;

**index.js**

import React from "react";

import ReactDOM from "react-dom/client";

import App from "./App";

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

root.render(<App />);

**Output:-**

