13. ReactJS-HOL

Objectives

- Explain various ways of conditional rendering
- Explain how to render multiple components
- Define list component
- Explain about keys in React applications
- Explain how to extract components with keys
- Explain React Map, map() function

In this hands-on lab, you will learn how to:

• Implement conditional rendering in React applications

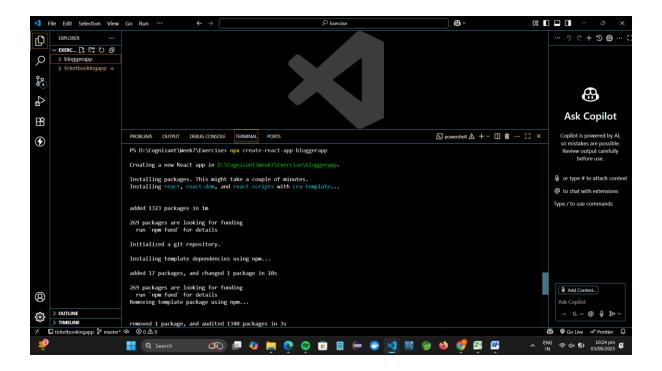
Create a React App named "bloggerapp" in with 3 components.

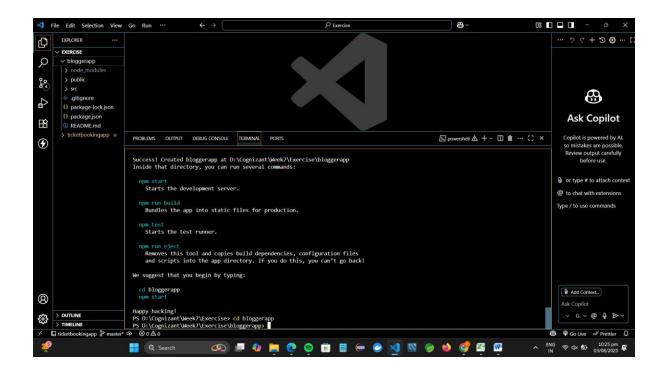
- 1. Book Details
- 2. Blog Details
- 3. Course Details

Implement this with as many ways possible of Conditional Rendering.

Step 1: Create the React App

npx create-react-app bloggerapp cd bloggerapp





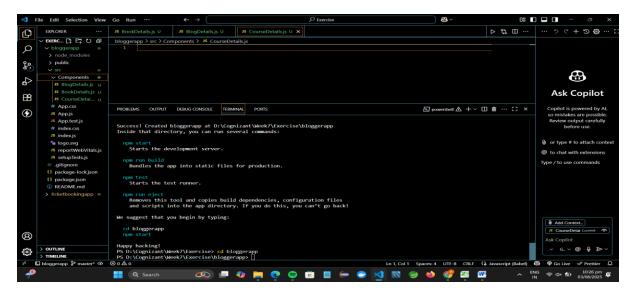
Step 2: Create Components Folder

Inside src, create a folder:

Components

Create 3 components inside it:

- BookDetails.js
- BlogDetails.js
- CourseDetails.js



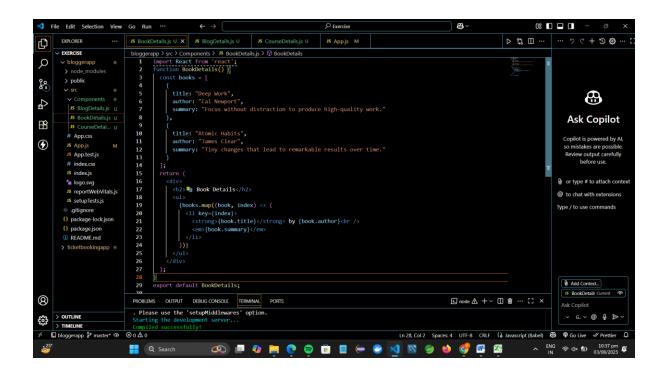
BlogDetails.js:

```
JS BookDetails.js U JS BlogDetails.js U X JS CourseDetails.js U JS App.js M
                                                                                                                                                ▷ ቈ Ⅲ ··· ッ୧ + ๖ ፡፡፡
Ð
Q
                                    function BlogDetails() {
  const blogs = [
        > public
00
                                         title: "Top 5 Frontend Frameworks in 2025",
author: "Pooja Sharma",
content: "A rundown of React, Vue, Angular, Svelte, and Solid3S."
                                                                                                                                                                         ₿
2
                                                                                                                                                                    Ask Copilot
略
                              10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
                                         title: "Why Mental Health Matters in Tech",
author: "Ankit Verma",
content: "Discusses burnout and emotional well-being in tech jobs."
         # App.css
•
        JS App.js
JS App.test.js
          s index.js
                                        or type # to attach contex
                                                                                                                                                                @ to chat with extens
         JS setupTests.is
        {} package-lock.json

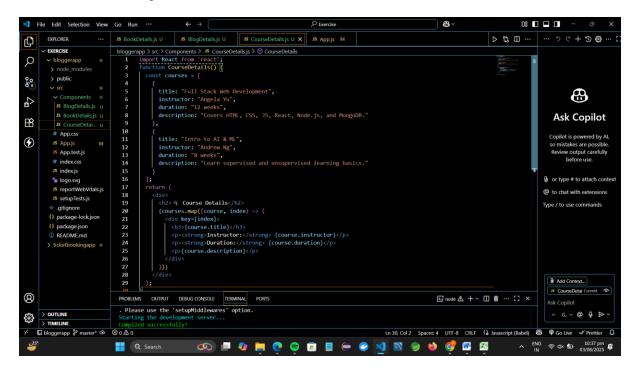
    README.md

                             79
30
31 export default BlogDetails;
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
(8)
                                                                                                                               ☑ node A + ~ □ 🛍 ··· □ ×
                             . Please use the 'setupMiddlewares' option.
                                                                                                                                                                 Ask Copilot
> OUTLINE
> TIMELINE
                                                                                                                                                                  ~ G ~ @ 4 P ~
                                                                                                               ☐ bloggerapp 🖁 master* 🏵
                          ⊗ o ∆ o
                                                                                                                                                      へ ENG 奈 Q× 加 10:36 pm 摩
```

BookDetails.js:



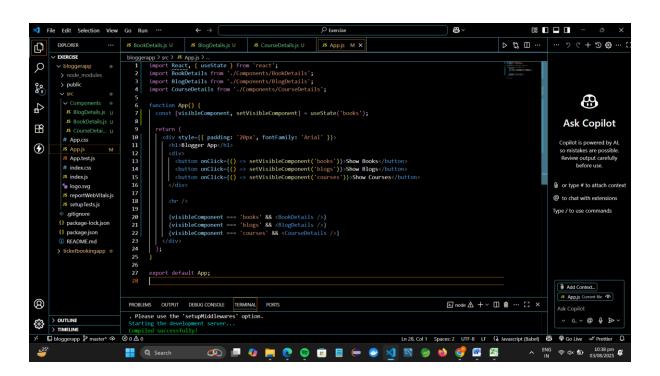
CourseDetails.js:



Step 3: Update App. js to Use All Components

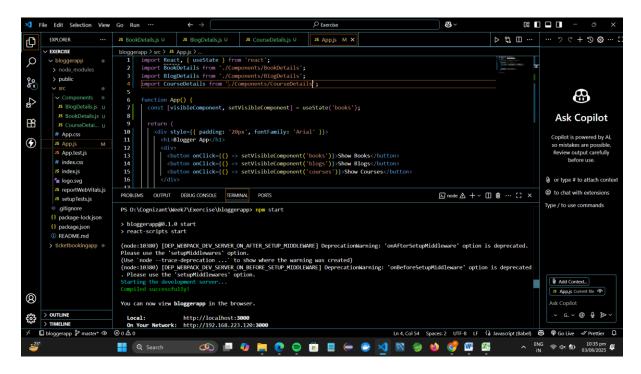
Replace everything in src/App.js with:

App.js:



Step 4: Run the App

npm start



Result:

