

Assignment: Conditional Rendering

Problem Statement:

Create a **React component** named `LoginStatus` that displays different messages based on whether a user is logged in or logged out. The login state should be controlled using a **boolean variable** (`isLoggedIn`)

Requirements:

- 1. Declare a **boolean variable** `isLoggedIn` inside the `LoginStatus` component.
- 2. If `isLoggedIn` is `true`, display: **"Welcome, User!"**
- 3. If `isLoggedIn` is `false`, display: **"Please log in."**
- 4. **Manually** change the value of `isLoggedIn` in the code to see different outputs.
- 5. The UI should update based on the **initial** value of `isLoggedIn`, but it should **not change dynamically** during runtime.

Starter Code (Modify `isLoggedIn` Manually)

```
import React from "react";

function LoginStatus() {
  const isLoggedIn = true; // Change this manually to test different outputs

  return (
    <div>
      <h2>
        // Write code here that uses conditional rendering
      </h2>
    </div>
  );
}

export default LoginStatus;
```

Instructions for Students:

- 1. **Modify the `isLoggedIn` variable** inside the component and observe the UI changes.
- 2. **Experiment by setting `isLoggedIn` to `false`** and note the output.

Expected Output:

<code>isLoggedIn</code> Value	Displayed Output
<code>true</code>	Welcome, User!
<code>false</code>	Please log in.

Learning Outcomes:

- ☒ Understand **conditional rendering** in React.