

Assignment :conditional rendering

Simple Weather Display App

Scenario:

You are tasked with building a simple Weather Display application where users can see the current weather conditions based on a provided temperature value.

This assignment will help you practice conditional rendering in React with TypeScript.

Requirements:

1. Project Setup:

- Create a new React Project with Typescript and name it ``WeatherApp``.

2. Component Structure:

➤ Create a ``Weather`` Component:

- This component should receive a temperature value as a prop.
- Based on the temperature value, the component should display different messages:
 - If the temperature is below 0°C, display "It's freezing cold!"
 - If the temperature is between 0°C and 15°C, display "It's chilly."
 - If the temperature is between 16°C and 30°C, display "It's a pleasant day."
 - If the temperature is above 30°C, display "It's really hot!"

➤ Create an ``App`` Component:

- This component should manage the state for the temperature value.
- Provide a simple input field for users to enter a temperature value.
- Pass the temperature value to the weather component as a prop.

3. Tasks:

➤ Input Handling:

- Allow users to input a temperature value.
- Convert the input value to a number and store it in the component's state.

➤ Conditional Rendering:

- Implement the logic inside the Weather component to render different messages based on the temperature value.

➤ Integration:

- Ensure the App component renders the Weather component and manages the temperature state.

4. Expected Outcome:

- A simple application where users can input a temperature value and receive a message based on the current weather conditions.
 - Proper use of conditional rendering to display different content based on the temperature value.
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