

# React Context API Assignment

## Multi-Context Management

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**Objective:** To design and implement a React application that utilizes the Context API for managing multiple contexts and state across components.

**Scenario:** You have been tasked with building a multi-theme weather application that allows users to view weather forecasts in different locations while customizing the application's theme and language preference.

### Requirements:

#### 1. Context Creation:

- Create three separate contexts:
  - **WeatherContext:** Manages weather-related information for different locations.
  - **ThemeContext:** Manages the theme of the application (e.g., light theme, dark theme).
  - **LanguageContext:** Manages the language/locale of the application.

#### 2. Context Providers:

- Implement provider components for each context to manage the state.
- Ensure that each provider component wraps its children and provides the necessary context values using the Context API.

#### 3. Components:

Develop a component that consume the context values provided by the context providers.

- Create a weather display component that shows weather forecasts based on the selected location retrieved from the **WeatherContext**.
- Implement a theme switcher component that allows users to toggle between light and dark themes using the **ThemeContext**.
- Develop a language selector component that enables users to switch between different languages using the **LanguageContext**.