**implement the rest countries and open the weather map APIs using fetch() APL**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Weather App</title>

</head>

<body>

<h1>Weather App</h1>

<div id="country-list"></div>

<div id="weather-info"></div>

<script>

// Replace with your OpenWeatherMap API key

const openWeatherMapApiKey = 'YOUR\_OPENWEATHERMAP\_API\_KEY';

// Fetch countries data from Rest Countries API

fetch('https://restcountries.com/v3.1/all')

.then(response => response.json())

.then(countries => {

const countryList = document.getElementById('country-list');

countries.forEach(country => {

const countryName = country.name.common;

const countryButton = document.createElement('button');

countryButton.textContent = countryName;

countryButton.addEventListener('click', () => {

// Fetch weather data from OpenWeatherMap API

fetch(`https://api.openweathermap.org/data/2.5/weather?q=${countryName}&appid=${openWeatherMapApiKey}`)

.then(response => response.json())

.then(weatherData => {

const weatherInfo = document.getElementById('weather-info');

weatherInfo.innerHTML = `

<h2>${countryName} Weather</h2>

<p>Temperature: ${weatherData.main.temp}°C</p>

<p>Weather: ${weatherData.weather[0].description}</p>

`;

})

.catch(error => console.error('Error fetching weather data:', error));

});

countryList.appendChild(countryButton);

});

})

.catch(error => console.error('Error fetching countries data:', error));

</script>

</body>

</html>