**WEATHER FORECASTING SITE**

**USING WEB DEVELOPMENT**

**CODING: (frontend)**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<title>Weather App</title>**

**<style>**

**body {**

**font-family: Arial, sans-serif;**

**background: #87ceeb;**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**height: 100vh;**

**}**

**.weather-box {**

**background: white;**

**padding: 30px;**

**border-radius: 15px;**

**text-align: center;**

**box-shadow: 0 4px 8px rgba(0,0,0,0.2);**

**}**

**input, button {**

**padding: 10px;**

**margin: 10px;**

**}**

**</style>**

**</head>**

**<body>**

**<div class="weather-box">**

**<h2>Weather Forecast</h2>**

**<input type="text" id="city" placeholder="Enter city name">**

**<button onclick="getWeather()">Get Weather</button>**

**<div id="result"></div>**

**</div>**

**<script>**

**async function getWeather() {**

**const city = document.getElementById('city').value;**

**const apiKey = 'YOUR\_API\_KEY'; // Replace with your OpenWeatherMap API key**

**const url = `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`;**

**const response = await fetch(url);**

**const data = await response.json();**

**const resultDiv = document.getElementById('result');**

**if (response.ok) {**

**resultDiv.innerHTML = `**

**<p><strong>${data.name}</strong></p>**

**<p>🌡️ Temp: ${data.main.temp}°C</p>**

**<p>☁️ ${data.weather[0].description}</p>**

**<p>💧 Humidity: ${data.main.humidity}%</p>**

**<p>🌬️ Wind: ${data.wind.speed} m/s</p>**

**`;**

**} else {**

**resultDiv.innerHTML = `<p>Error: ${data.message}</p>`;**

**}**

**}**

**</script>**

**</body>**

**</html>**