WEATHER API

Index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Simple Weather App</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<div class="container">

<h1>Weather App</h1>

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

<button id="searchBtn">Get Weather</button>

<div class="weather-info">

<h2 id="cityName"></h2>

<p id="temperature"></p>

<p id="description"></p>

<p id="humidity"></p>

<p id="wind"></p>

</div>

</div>

<script src="script.js"></script>

</body>

</html>

Index.css

body {

font-family: Arial, sans-serif;

background: linear-gradient(135deg, #74ebd5, #acb6e5);

height: 100vh;

display: flex;

align-items: center;

justify-content: center;

margin: 0;

}

.container {

background-color: white;

border-radius: 10px;

padding: 30px;

box-shadow: 0 0 15px rgba(0, 0, 0, 0.2);

text-align: center;

width: 300px;

}

input {

padding: 10px;

width: 80%;

margin-bottom: 10px;

}

button {

padding: 10px 20px;

border: none;

background-color: #0078d7;

color: white;

border-radius: 5px;

cursor: pointer;

}

button:hover {

background-color: #005fa3;

}

Script.js

const apiKey = "YOUR\_API\_KEY";

document.getElementById("searchBtn").addEventListener("click", getWeather);

function getWeather() {

const city = document.getElementById("cityInput").value;

if (!city) {

alert("Please enter a city name!");

return;

}

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

fetch(url)

.then(response => {

if (!response.ok) {

throw new Error("City not found");

}

return response.json();

})

.then(data => {

document.getElementById("cityName").textContent = data.name;

document.getElementById("temperature").textContent = `Temperature: ${data.main.temp}°C`;

document.getElementById("description").textContent = `Condition: ${data.weather[0].description}`;

document.getElementById("humidity").textContent = `Humidity: ${data.main.humidity}%`;

document.getElementById("wind").textContent = `Wind Speed: ${data.wind.speed} m/s`;

})

.catch(error => {

alert(error.message);

});

}