PRODIGY\_WD\_05

HTML CODE

<!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>

  <style>

    body {

      margin: 0;

      font-family: 'Segoe UI', sans-serif;

      background: linear-gradient(to right, #74ebd5, #ACB6E5);

      color: #333;

      display: flex;

      justify-content: center;

      align-items: center;

      min-height: 100vh;

      flex-direction: column;

    }

    h1 {

      margin-bottom: 20px;

    }

    .search-container {

      margin-bottom: 20px;

      text-align: center;

    }

    input, button {

      padding: 10px;

      margin: 5px;

      font-size: 1rem;

      border: none;

      border-radius: 5px;

    }

    button {

      background-color: #007BFF;

      color: white;

      cursor: pointer;

    }

    #weather-card {

      background: #fff;

      padding: 20px;

      border-radius: 15px;

      box-shadow: 0 4px 20px rgba(0,0,0,0.1);

      text-align: center;

      max-width: 300px;

      display: none;

    }

    #weather-icon {

      width: 80px;

      height: 80px;

    }

    .info {

      margin-top: 10px;

    }

  </style>

</head>

<body>

  <h1>🌤️ Weather App</h1>

  <div class="search-container">

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

    <button onclick="getWeatherByCity()">Search</button><br>

    <button onclick="getWeatherByLocation()">Use My Location</button>

  </div>

  <div id="weather-card">

    <h2 id="cityName"></h2>

    <img id="weather-icon" src="" alt="Weather Icon"/>

    <div class="info">

      <p id="description"></p>

      <p><strong>Temp:</strong> <span id="temp"></span> °C</p>

      <p><strong>Humidity:</strong> <span id="humidity"></span>%</p>

      <p><strong>Wind:</strong> <span id="wind"></span> m/s</p>

    </div>

  </div>

  <script>

    const apiKey = 'a9bdf8f186d1622cbe8328ae3c025488';

    function displayWeather(data) {

      if (data.cod !== 200) {

        alert('Error: ' + data.message);

        return;

      }

      document.getElementById('cityName').textContent = `${data.name}, ${data.sys.country}`;

      document.getElementById('description').textContent = data.weather[0].description;

      document.getElementById('temp').textContent = data.main.temp;

      document.getElementById('humidity').textContent = data.main.humidity;

      document.getElementById('wind').textContent = data.wind.speed;

      document.getElementById('weather-icon').src = `https://openweathermap.org/img/wn/${data.weather[0].icon}@2x.png`;

      document.getElementById('weather-card').style.display = 'block';

    }

    function getWeatherByCity() {

      const city = document.getElementById('cityInput').value.trim();

      if (!city) {

        alert('Please enter a city name');

        return;

      }

      fetch(`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`)

        .then(res => res.json())

        .then(displayWeather)

        .catch(err => alert('Failed to fetch weather data.'));

    }

    function getWeatherByLocation() {

      if (!navigator.geolocation) {

        alert('Geolocation is not supported by your browser.');

        return;

      }

      navigator.geolocation.getCurrentPosition(

        (position) => {

          const { latitude, longitude } = position.coords;

          fetch(`https://api.openweathermap.org/data/2.5/weather?lat=${latitude}&lon=${longitude}&appid=${apiKey}&units=metric`)

            .then(res => res.json())

            .then(displayWeather)

            .catch(err => alert('Failed to fetch weather data.'));

        },

        () => alert('Could not get your location.')

      );

    }

  </script>

</body>

</html>

output





