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CODE:

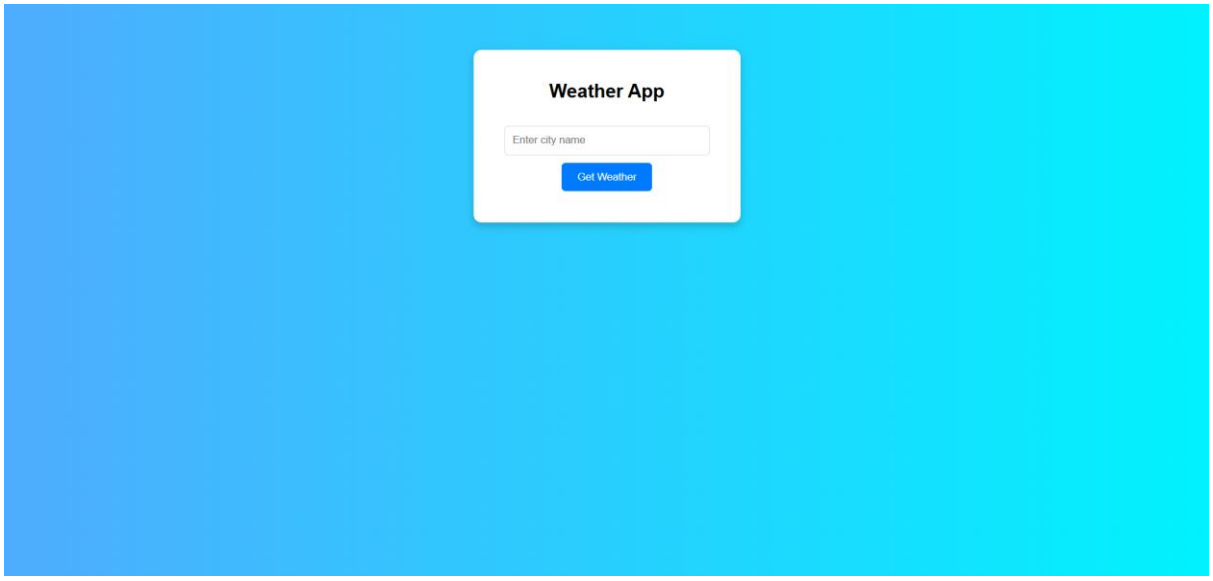
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Weather App</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: linear-gradient(to right, #4facfe, #00f2fe);
            text-align: center;
            padding: 50px;
        }
        .container {
            background: white;
            padding: 20px;
            border-radius: 10px;
            box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.2);
            width: 300px;
            margin: auto;
        }
        input {
            width: 80%;
            padding: 10px;
            margin: 10px 0;
```

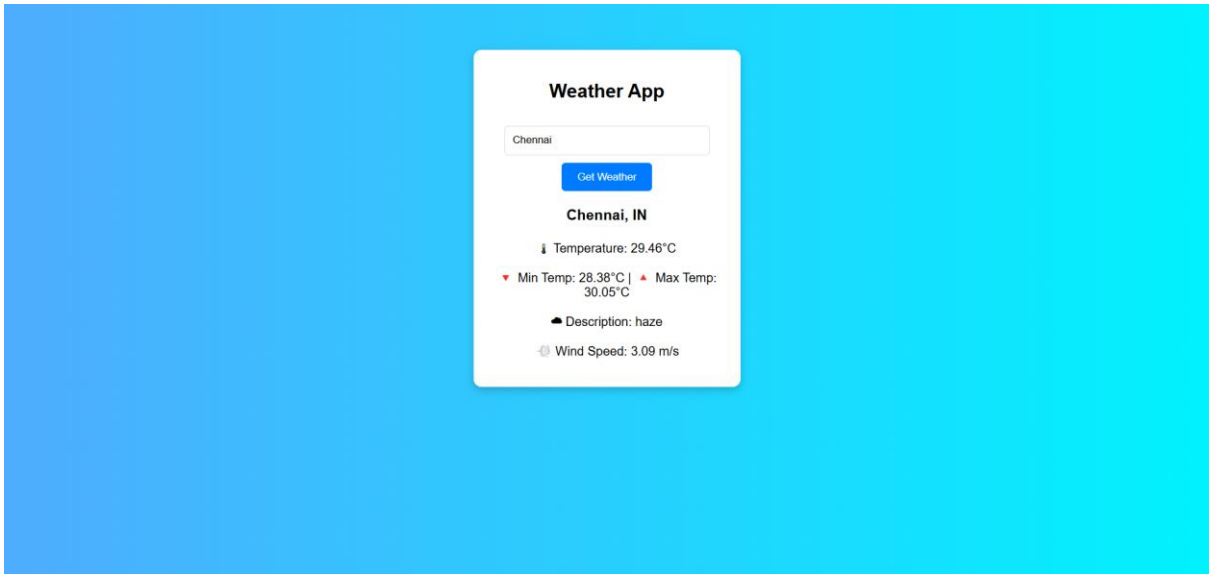
```
            border: 1px solid #ddd;
            border-radius: 5px;
        }
        button {
            background: #007BFF;
            color: white;
            border: none;
            padding: 10px 20px;
            cursor: pointer;
            border-radius: 5px;
        }
        button:hover {
            background: #0056b3;
        }
        .weather-info {
            margin-top: 20px;
        }
    </style>
</head>
<body>

    <div class="container">
        <h2>Weather App</h2>
        <input type="text" id="city" placeholder="Enter city name">
        <button id="getWeatherBtn">Get Weather</button>
        <div class="weather-info" id="weather"></div>
    </div>
```

```
<script>
    async function fetchWeather(city) {
        const apiKey = '9b09e78f9777d1ea7fa172d5b86f09a1';
        const weatherAPI = `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`;

        try {
            const response = await fetch(weatherAPI);
            const data = await response.json();

            if (data.cod !== 200) {
                document.getElementById('weather').innerHTML = `<p style="color: red;">Error: ${data.message}</p>`;
                return;
            }

            document.getElementById('weather').innerHTML = `
                <h3>${data.name}, ${data.sys.country}</h3>
                <p>🌡 Temperature: ${data.main.temp}°C</p>
                <p>▼ Min Temp: ${data.main.temp_min}°C | ▲ Max Temp: ${data.main.temp_max}°C</p>
                <p>☁ Description: ${data.weather[0].description}</p>
                <p>💨 Wind Speed: ${data.wind.speed} m/s</p>
            `;

            localStorage.setItem("lastCity", city);
```

```
            } catch (error) {
                console.error("Error fetching weather data:", error);
                document.getElementById('weather').innerHTML = `<p style="color:
red;">Something went wrong. Try again later.</p>`;
            }
        }

        document.getElementById("getWeatherBtn").addEventListener("click", () => {
            const city = document.getElementById("city").value;
            if (!city) {
                alert("Please enter a city name.");
                return;
            }
            fetchWeather(city);
        });

        // Load last searched city on page load
        document.addEventListener("DOMContentLoaded", () => {
            const lastCity = localStorage.getItem("lastCity");
            if (lastCity) {
                document.getElementById("city").value = lastCity;
                fetchWeather(lastCity);
            }
        });
    </script>
</body>
</html>
```

OUTPUT:


Weather App
Enter city name
Get Weather


Weather App
Chennai
Get Weather
Chennai, IN
Temperature: 29.46°C
Min Temp: 28.38°C | Max Temp: 30.05°C
Description: haze
Wind Speed: 3.09 m/s

ASSIGNMENT-6