Project on Weather App/Website

```html
<!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);

            display: flex;

            justify-content: center;

            align-items: center;

            height: 100vh;

            margin: 0;

        }

        .weather-container {

            background-color: rgba(255, 255, 255, 0.9);

            padding: 2rem;

            border-radius: 15px;

            box-shadow: 0 4px 8px rgba(0,0,0,0.1);

            text-align: center;

            width: 300px;

        }

        input {

            padding: 0.5rem;

            width: 80%;

            margin-bottom: 1rem;

            border: 1px solid #ccc;

            border-radius: 5px;
```

```
        }
        button {
            padding: 0.5rem 1rem;
            background-color: #007BFF;
            color: white;
            border: none;
            border-radius: 5px;
            cursor: pointer;
        }
        button:hover {
            background-color: #0056b3;
        }
        .weather-result {
            margin-top: 1rem;
        }
    </style>
</head>
<body>
    <div class="weather-container">
        <h2>Weather App</h2>
        <input type="text" id="city" placeholder="Enter city name">
        <button onclick="getWeather()">Get Weather</button>
        <div class="weather-result" id="weatherResult"></div>
    </div><script>
    async function getWeather() {
        const city = document.getElementById('city').value;
        const apiKey = 'YOUR_API_KEY'; // Replace with your actual API key from
OpenWeatherMap
        const url =
https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metri
c;
```

```
      try {
        const response = await fetch(url);
        if (!response.ok) {
          throw new Error('City not found');
        }
        const data = await response.json();
        document.getElementById('weatherResult').innerHTML = `
          <h3>${data.name}</h3>
          <p>Temperature: ${data.main.temp} °C</p>
          <p>Weather: ${data.weather[0].description}</p>
          <p>Humidity: ${data.main.humidity}%</p>
        `;
      } catch (error) {
        document.getElementById('weatherResult').innerHTML = <p>${error.message}</p>;
      }
    }
</script>

</body>
</html>
```