

1. Go to <https://openweathermap.org/>
  2. Click **Sign Up** → Create a free account
  3. Verify your email
  4. Login → Go to **API Keys**
  5. Copy your **API Key** (looks like: a1b2c3d4e5f6...)
- 

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

```
<title>Weather App</title>
```

```
<style>
```

```
body {
```

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

```
  background: linear-gradient(to right, #74ebd5, #acb6e5);
```

```
  display: flex;
```

```
  justify-content: center;
```

```
  align-items: center;
```

```
  height: 100vh;
```

```
}
```

```
.weather-box {  
    background: white;  
    padding: 25px;  
    border-radius: 10px;  
    width: 300px;  
    text-align: center;  
    box-shadow: 0 10px 20px rgba(0,0,0,0.2);  
}
```

```
input {  
    width: 90%;  
    padding: 10px;  
    margin-bottom: 10px;  
}
```

```
button {  
    padding: 10px 20px;  
    background: #007bff;  
    color: white;  
    border: none;  
    cursor: pointer;  
}
```

```
button:hover {  
    background: #0056b3;  
}
```

```
.result {  
    margin-top: 15px;  
}  
  
</style>  
</head>  
  
<body>  
  
<div class="weather-box">  
    <h2>Weather App</h2>  
  
    <input type="text" id="city" placeholder="Enter city name">  
    <button onclick="getWeather()">Get Weather</button>  
  
    <div class="result" id="result"></div>  
</div>  
  
<script>  
  
const apiKey = "YOUR_API_KEY_HERE"; // Replace with your API key  
  
function getWeather() {  
    const city = document.getElementById("city").value;  
    const result = document.getElementById("result");  
  
    if (city === "") {  
        result.innerHTML = "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 => response.json())
```

```
.then(data => {
```

```
  if (data.cod !== 200) {
```

```
    result.innerHTML = "City not found";
```

```
    return;
```

```
  }
```

```
result.innerHTML = `
```

```
  <h3>${data.name}</h3>
```

```
  <p>Temperature: ${data.main.temp} °C</p>
```

```
  <p>Weather: ${data.weather[0].description}</p>
```

```
  <p>Wind Speed: ${data.wind.speed} m/s</p>
```

```
`;
```

```
}}
```

```
.catch(error => {
```

```
  result.innerHTML = "Error fetching data";
```

```
});
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```