# WEATHER AND LIVE DATA

Calculation of weather is very important in our Day to Day life.Calculating the weather can make our life easier and can judge our plans according to the weather and also can save the particular day or time can be saved without wasted.

 In this particular webpage which I have created

can calculate the weather of any places all over the world. Also by calculating the weather in other location also we can plan our day . The day can be calculated before it is been wasted. Also <u>minimum weather temperature</u> and <u>maximum weather temperature</u> can be calculated and the total day can be determined with the maximum temperature.

By the way this web also gives the details about <u>Wind speed </u> and <u>Humidity</u> also can be determained.

 Wind Information: **This feature is specially integrated for use by windsurfers, paragliders and sailors, as having the accurate wind information is a prerequisite for such people.**

Humidity : This feature helps in knowing the accurate humidity and visibility levels before going out or driving down to any place.

**CODE FOR THE WEATHER WEB:**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equi="X-UA-Compatible" content="IE=edge">
    <meta name="viewport"  content="width=device-width,initial-scale=1.0">

    <title> WEATHER APP </title>

</head>
<body>

            <div class="bg">
```

```html
    <div class="header">
        <h1 style="color:rgb(214,147,45); text-decoration:underline;">WEATHER APP</h1>
        <div>
            <input type="text" name="box" placeholder="Enter the name..." style="font-size:18px;color:green; padding:5px 10px; outline:none; border:4; border-radius:15px; background:aliceblue;" id="city-input">
            <br/>
            <input type="button" id="search-btn" value="Search" style=" color:rgb(18, 233, 18);" >
        </div>
    </div>
        <div class="Weather">
            <h2 id="city" style="font-size: 30px; text-align: center; padding-left: 130px; color:black;">            </h2>

            <div class="temp-box">
                <img src="https://tse2.mm.bing.net/th?id=OIP.XwQR3nYxLJ
```

5Xt_SkDl6cogHaHa&pid=Api&P=0" id="img" style="width: 20%; height: 20%; border-radius: 0%; background: rgba(240,248,255,0.4);">


        <p id="temperature" style="font-size: 50px; margin: 4px; margin-left: 30px; margin-bottom: 10px; color:blue;">26°C</p>

        </div>

        <span id="clouds" style="color:green;font-size:35px;">Broken clouds</span>

    </div>

    <div class="divider1" style="height: 1px; background-color: red; margin: 2rem 0;"></div>

    <div class="forecastH">

        <p class="cast-header" style="color:rgb(55, 255, 0); font-size:32px"><i>LIVE DATA:</i></p>

        <div class="templist">

            <div class="next">

            <div>

                <p class="time" style="color:white;font-size:26px"><span id="wind speed">MIN/MAX TEMPERATURE:</span></p>

```html
                <p style="color:aqua;font-size:22px;">
<span id="min">29 °C</span>  / <sapn id="max">25 °C</sapn> </p>
            </div>


        </div>
        <div class="next">
            <div>
                <p class="time" style="color:white;font-size:26px;">HUMIDITY:</p>
                <p style="color:aqua;font-size:22px;"><span id="humid">60g/kg</span></p>
            </div>
            <p class="dc" style="color:white;font-size:26px;">WIND SPEED:</p>
            <p class="desc" style="color:aqua;font-size:22px;"><span id="wind">2 km/hr</span></p>
        </div>



    <style>
```

```css
    .html{
        height:100%;

    }

.header{

    padding:1rem 5rem;
    font-family:"Papyrus", "Copperplate", fantasy;
    background:linear-gradient(45deg,rgba(183,204,246,0.7),rgba(7,43,127,067));

}
.bg{
background-image:url('https://images.pexels.com/photos/1025349/pexels-photo-1025349.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2');
```

```css
    background-repeat:no-repeat;
    width:100vw;
    height:180vh;
    background-position:center;


}



.header h1{
    color:rgb(214,147,45);
    text-decoration:underline;
    padding-left:500px;
}
#input{
    font-size:18px;
    padding:5px 10px;
    outline:none;
    border:4;
```

```css
    border-radius:15px;
    background:aliceblue;
    }
#search{

    background:cadetblue;
    padding:2px 20px;
    color:alice blue;
    outline:4;
    font-size:17px;
    border-radius:15;
    cursor:pointer;


    }



    .main{



    color:light green;
```

```css
    padding: 3rem 5rem;
  }
  .Weather{
      text-align: center;
      color: blue;
  }


  .Weather img{
      width: 40%;
      height: 40%;
      border-radius: 0%;
      background: rgba(240,248,255,0.4);
  }


  #city{
      font-size: 30px;
      text-align: center;
      padding-left: 130px;
  }
```

```css
#temperature{
    font-size: 50px;
    margin: 4px;
    margin-left: 30px;
    margin-bottom: 10px;
}


.temp-box{
    justify-content: center;
    padding-left: 180px;
}


.divider1, .divider2{
    height: 1px;
    background-color: aliceblue;
    margin: 2rem 0;
}
```

```css
    .divider2{
        height:5px;
        width:30px;
        margin:0 auto;


    }


    .forecstD{
        margin:20px 50px;
        color: beige;



    }



    .weekF{
        display:grid;
        grid-template-columns:repeat(4,1fr);



    }
    .h2{
        font-size:10px;
```

```
            text-align:center;

            padding-left:80px;

        }



        </style>



</div>



<script>



  document.getElementById("search-
btn").addEventListener("click", () =>{

  let city = document.getElementById("city-
input").value;



    let API_KEY =
"1d803e5396da34500034036a8116b173";

    const URL =
'https://api.openweathermap.org/data/2.5/weather';

    console.log(city)

        const Full_Url =
`${URL}?q=${city}&appid=${API_KEY}&units=metric`;
```

```javascript
async function checkWheather(){
    let res = await fetch(Full_Url);
    let data = await res.json();
    console.log(data)


    //input u


document.getElementById("temperature").innerHTML = data.main.temp + "°C";
    document.getElementById("max").innerHTML = data.main.temp_max + "°C";
    document.getElementById("min").innerHTML = data.main.temp_min + "°C";
    document.getElementById("city").innerHTML = data.name;
    document.getElementById("humid").innerHTML= data.main.humidity + "g/kg";
    document.getElementById("wind").innerHTML = data.wind.speed + "Km/hr"
```

```javascript
    document.getElementById("clouds").innerHTML =
data.weather[0].description;
    document.getElementById("clouds").innerHTML =
data.weather[0].description;
    document.getElementById("clouds").innerHTML =
data.weather[0].description;
    document.getElementById("clouds").innerHTML =
data.weather[0].description;


    if(data.weather[0].description == "mist"){
        document.getElementById("img").src =
"mist.png"
    }
    else if(data.weather[0].description =="overcast
clouds"){
        document.getElementById("img").src =
"clouds.png"
    }
    else if(data.weather[0].description =="clear sky"){
        document.getElementById("img").src =
"clear.png"
    }
```

```
    else if(data.weather[0].description =="rainy"){
        document.getElementById("img").src = "rain.png"
    }
    }
    checkWheather()
    });

</script>
    </body>
    </html>
```

# WEATHER APP

Enter the name...

Search



## 26°C

26°C

Broken clouds

---

MIN/MAX TEMPERATURE:

29 °C / 25 °C

HUMIDITY:

60g/kg

WIND SPEED:

2 km/hr

---

# WEATHER APP

chennai

Search

**Chennai**



29.98°C

mist

---

29.98°C

mist

---

LIVE DATA:

MIN/MAX TEMPERATURE:

29.98°C / 29.99°C

HUMIDITY:

87g/kg

WIND SPEED:

4.12Km/hr