

# PROJECT -1

**COLLEGE NAME : GOVERNMENT DEGREE COLLEGE CHEEPURUPALLI**

**INSTITUTION NAME : SMARTBTIDGE**

**COURSE NAME: FULLSTACK DEVELOPMENT WITH MERN [JAVA]**

## **OBJECTIVES:**

**Bulding an application that proactively used for WEATHER FORECASTING , A beautiful application designed for the have of weather updates sharing for the live wheather updates**

## **Technologies used:**

- HTML
- CSS
- Openwheather

## HTML CODE:

HTML, CSS, JS

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta name="viewport" content="width=device-
width, initial-scale=1.0">
5   <title>Weather App - Easy Tutorials</title>
6   <link rel="stylesheet" href="style.css">
7 </head>
8 <body>
9
10 <div class="card">
11   <div class="search">
12     <input type="text" placeholder="enter
city name" spellcheck="false">
13     <button>
</button>
14   </div>
15   <div class="error">
16     <p>Invalid city name</p>
17   </div>
18   <div class="weather">
19     
20     <h1 class="temp">22°C</h1>
21     <h2 class="city">New York</h2>
22     <div class="details">
23       <div class="col">
24         
25         <div>
26           <p class="humidity">50%</p>
27           <p>Humidity</p>
28         </div>
29       </div>
30       <div class="col">
31         
```

Ln 92, Col 8 • Spaces: 2 History

index.html

Run

## HTML CODE:

```
HTML, CSS, JS

32 <div>
33   <p class="wind">15 km/h</p>
34   <p>Wind Speed</p>
35 </div>
36 </div>
37 </div>
38 </div>
39 </div>
40
41 <script>
42   const apiKey =
43     "41fef045961be65f7f8a0df75eb2e9ee";
44   const apiUrl =
45     "https://api.openweathermap.org/data/2.5/weather
46     ?appid=" + apiKey;
47   const searchBox =
48     document.querySelector(".search input");
49   const searchBtn =
50     document.querySelector(".search button");
51   const weatherIcon =
52     document.querySelector(".weather-icon");
53
54   async function checkWeather(city) {
55     const response = await fetch(apiUrl +
56       "&q=" + city);
57
58     if (response.status == 404) {
59       document.querySelector(".error").style.display
60         = "block";
61       document.querySelector(".weather").style.display
62         = "none";
63     } else {
64       const data = await response.json();
65       document.querySelector(".city").innerHTML =
66         data.name;
67     }
68   }
69
70   searchBtn.addEventListener("click", () => {
71     checkWeather(searchBox.value);
72   });
73 </script>
```

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index.html

Run

## HTML CODE:

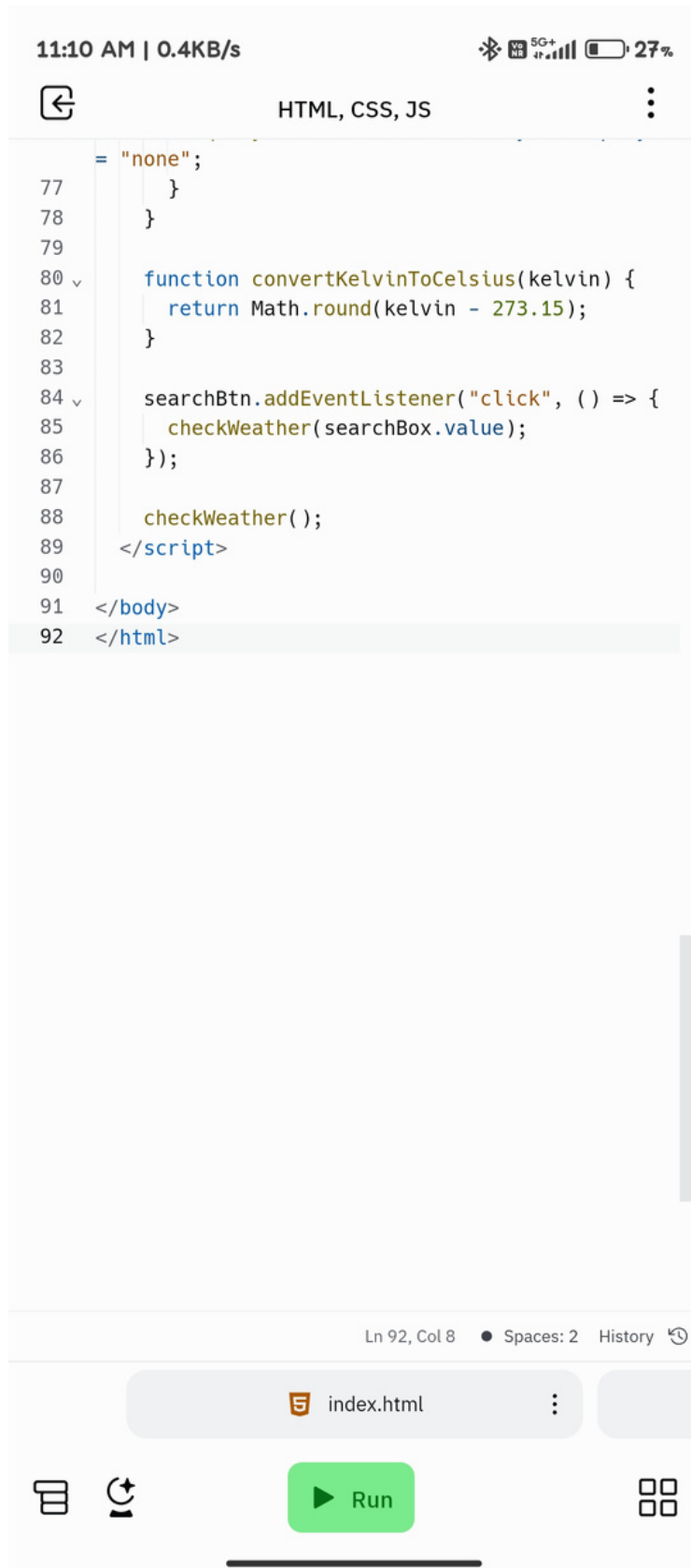
 HTML, CSS, JS 

```
document.querySelector(".temp").innerHTML =
convertKelvinToCelsius(data.main.temp) + "°C";
58
document.querySelector(".humidity").innerHTML =
data.main.humidity + "%";
59
document.querySelector(".wind").innerHTML =
data.wind.speed + " km/h";
60
61   if (data.weather[0].main == "Clouds") {
62       weatherIcon.src =
"https://i.ibb.co/wwbcSxX/clouds.png";
63   } else if (data.weather[0].main ==
"Clear") {
64       weatherIcon.src =
"https://i.ibb.co/pzS6qTS/clear.png";
65   } else if (data.weather[0].main ==
"Rain") {
66       weatherIcon.src =
"https://i.ibb.co/tQzZyKV/rain.png";
67   } else if (data.weather[0].main ==
"Drizzle") {
68       weatherIcon.src =
"https://i.ibb.co/zbzMJr9/drizzle.png";
69   } else if (data.weather[0].main ==
"Mist") {
70       weatherIcon.src =
"https://i.ibb.co/8zDjbYJ/mist.png";
71   } else if (data.weather[0].main ==
"Snow") {
72       weatherIcon.src =
"https://i.ibb.co/tPSpdgX/snow.png";
73   }
74
75
document.querySelector(".weather").style.display
= "block";
76
document.querySelector(".error").style.display
```

Ln 92, Col 8 • Spaces: 2 History 

## HTML CODE:



The screenshot shows a mobile application interface for editing code. At the top, the status bar displays the time as 11:10 AM, a data speed of 0.4KB/s, 5G+ connectivity, and a 27% battery level. Below the status bar is a navigation bar with a back arrow, the text "HTML, CSS, JS", and a menu icon. The main area is a code editor with a light gray background and a vertical scrollbar on the right. The code is as follows:

```
77     = "none";  
78     }  
79  
80     function convertKelvinToCelsius(kelvin) {  
81         return Math.round(kelvin - 273.15);  
82     }  
83  
84     searchBtn.addEventListener("click", () => {  
85         checkWeather(searchBox.value);  
86     });  
87  
88     checkWeather();  
89 </script>  
90  
91 </body>  
92 </html>
```

At the bottom of the editor, there is a status bar showing "Ln 92, Col 8", "Spaces: 2", and a "History" link. Below this is a tab bar with a file icon, a refresh icon, a tab labeled "index.html" with a close button, a green "Run" button with a play icon, and a grid icon.



## CSS CODE:

```
HTML, CSS, JS



1  *{
2    margin: 0;
3    padding: 0;
4    font-family: 'Poppins', sans-serif;
5    box-sizing: border-box;
6  }
7  body{
8    background: #222;
9  }
10 .card{
11   width: 90%;
12   max-width: 470px;
13   background: linear-gradient(135deg, #00feba, #5b548a);
14   color: #fff;
15   margin: 100px auto 0;
16   border-radius: 20px;
17   padding: 40px 35px;
18   text-align: center;
19 }
20 .search{
21   width: 100%;
22   display: flex;
23   align-items: center;
24   justify-content: space-between;
25 }
26 .search input{
27   border: 0;
28   outline: 0;
29   background: #ebfffc;
30   color: #555;
31   padding: 10px 25px;
32   height: 60px;
33   border-radius: 30px;
34   flex: 1;
35   margin-right: 16px;
36   font-size: 18px;
37 }
```

Ln 92, Col 2 • Spaces: 2 History


style.css


Run

## CSS CODE:


HTML, CSS, JS



```
38  .search button{
39      border: 0;
40      outline: 0;
41      background: #ebffc;
42      boarder-radius: 50%;
43      width: 60px;
44      height: 60px;
45      cursor: pointer;
46  }
47  .search button img{
48      width: 16px;
49  }
50  .weather-icon{
51      width: 170px;
52      margin-top: 30px;
53  }
54  .weather h1{
55      font-size: 80px;
56      font-weight: 500;
57  }
58  .weather h2{
59      font-size: 45px;
60      font-weight: 400
61      margin-top: -10px;
62  }
63  .details{
64      display: flex;
65      align-items: center;
66      justify-content: space-between;
67      padding: 0 20px;
68      margin-top: 50px;
69  }
70  .col{
71      display: flex;
72      align-items: center;
73      text-align: left;
74  }
75  .col img{
76      width: 40px;
```

Ln 92, Col 2 • Spaces: 2 History 




style.css








▶ Run









## CSS CODE:

HTML, CSS, JS

```
77   margin-right: 10px;
78 }
79 .humidity, .wind{
80   font-size: 28px;
81   margin-top: -6px;
82 }
83 .weather{
84   display: none;
85 }
86 .error{
87   text-align: left;
88   margin-left: 10px;
89   font-size: 14px;
90   margin-top: 10px;
91   display: none;
92 }
```

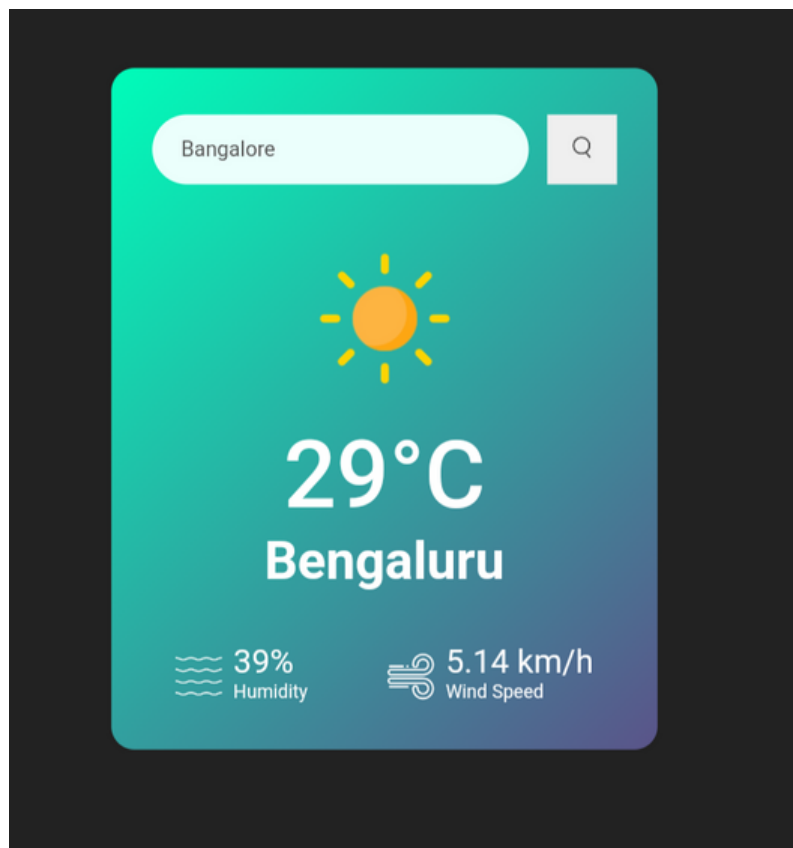
Ln 92, Col 2 • Spaces: 2 History 

 style.css 

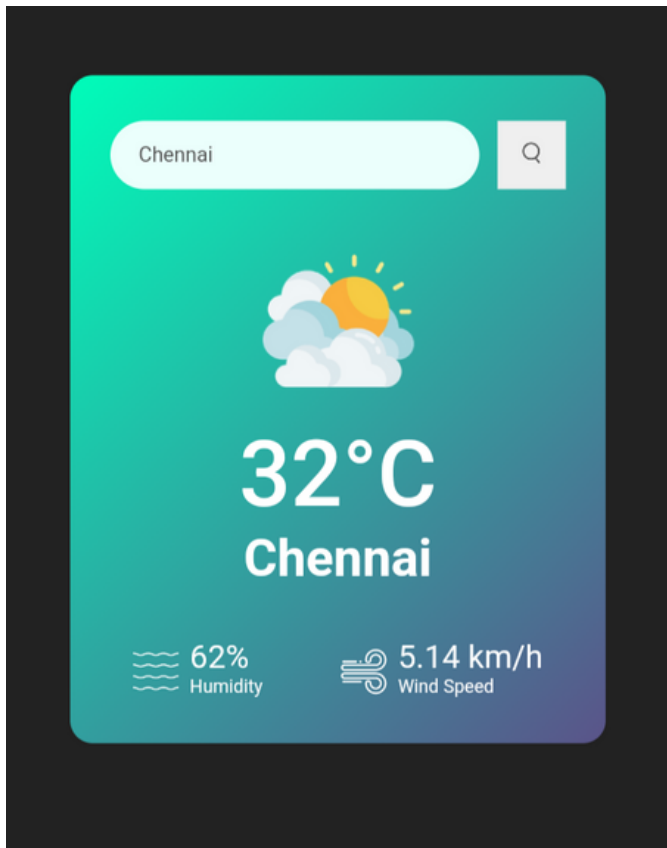
   



## Final Look Of The App:



## Final Look Of The App:



## Link for the website:

<https://0d3a3935-070c-4885-aa26-279a59d4074e-00-19etaa0s2pae.pike.replit.dev/>

## REPLICA FILE LINK:

<https://replit.com/@akhilstark2124/HTML-CSS-JS?s=app>

## Conclusion :

I was created a website for the check the wheather for any city in the world it uses the api from openwheather app and it displays the exact current wheather of the city