WD -MAJOR PROJECT

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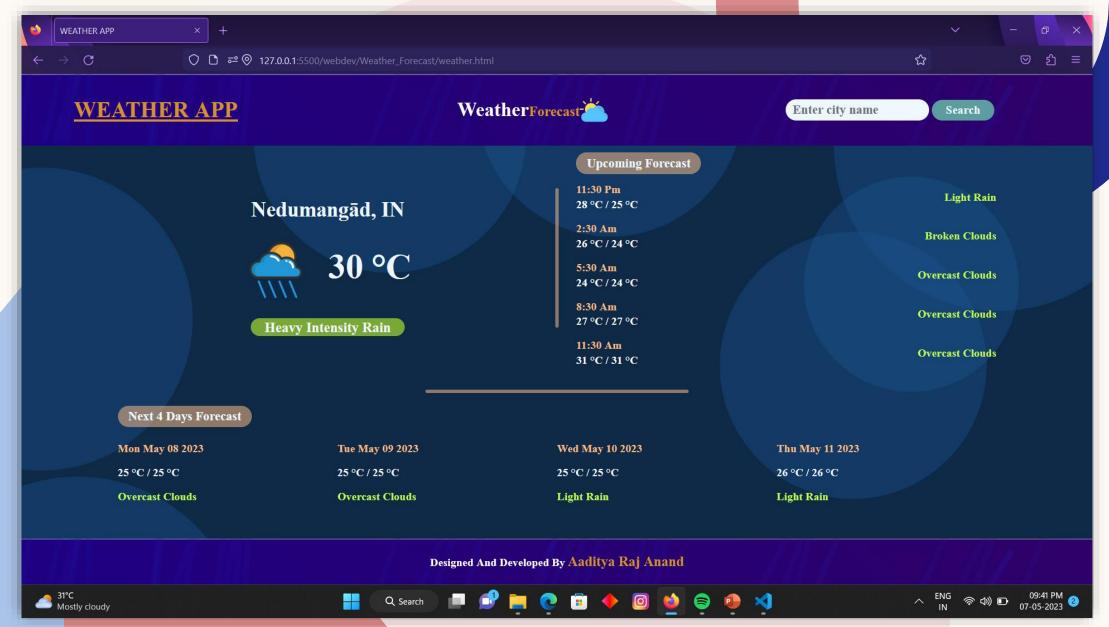
Domain: Web Development

Batch: March 2023

ABOUT THE WEBSITE

This is a Weather and Weather forecast web application, which made with HTML, CSS, JavaScript and Weather API(www.home.openweathermap.org). This Website shows the current weather information and next 4 days weather forecast of the place you search. By default, the location is set to "Delhi". You can search your place by entering the name of your place in the search box and then click on the Search button. If the place you entered is valid, it will show the weather details and forecast for the next 4 days, but if you enter an invalid place or if the place is not found then the previous location weather details will continue to show on the screen.

WEBSITE SCREENSHOT:



SOURCE CODE LINK

GitHub Link:

https://github.com/Aadityatheperfect1/Weather-Forecast-App.git

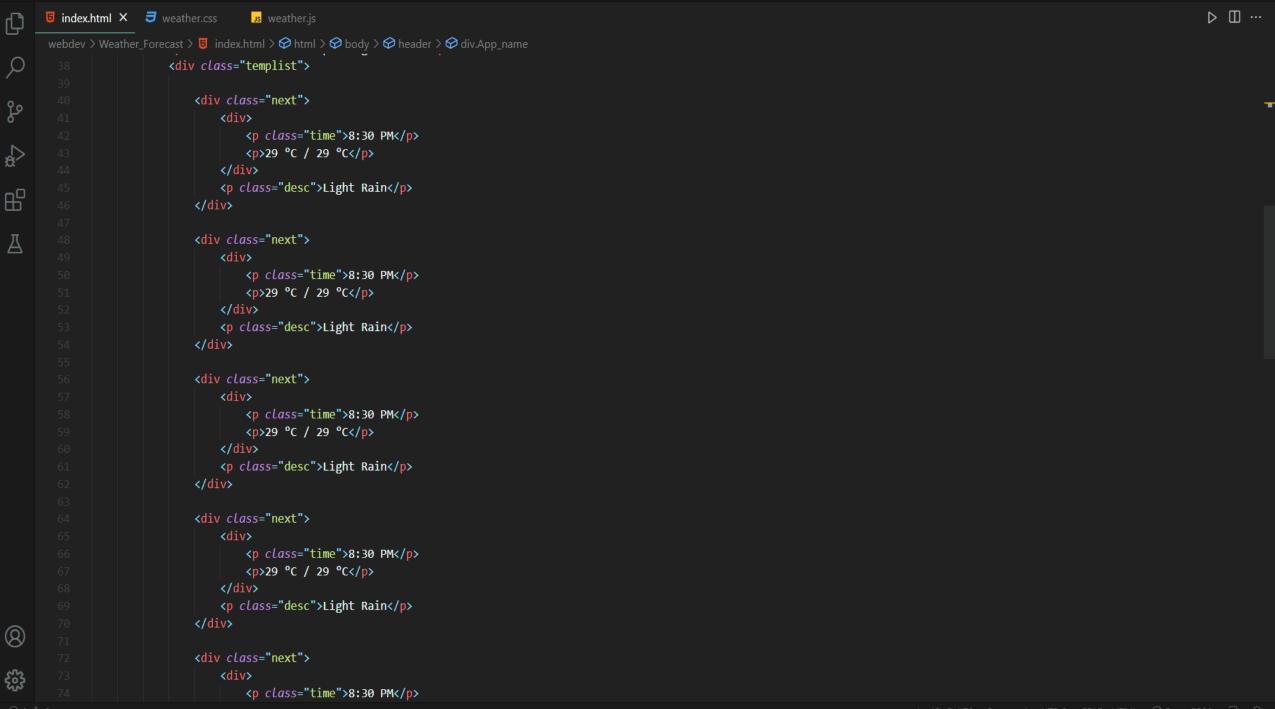
WEBSITE LINK

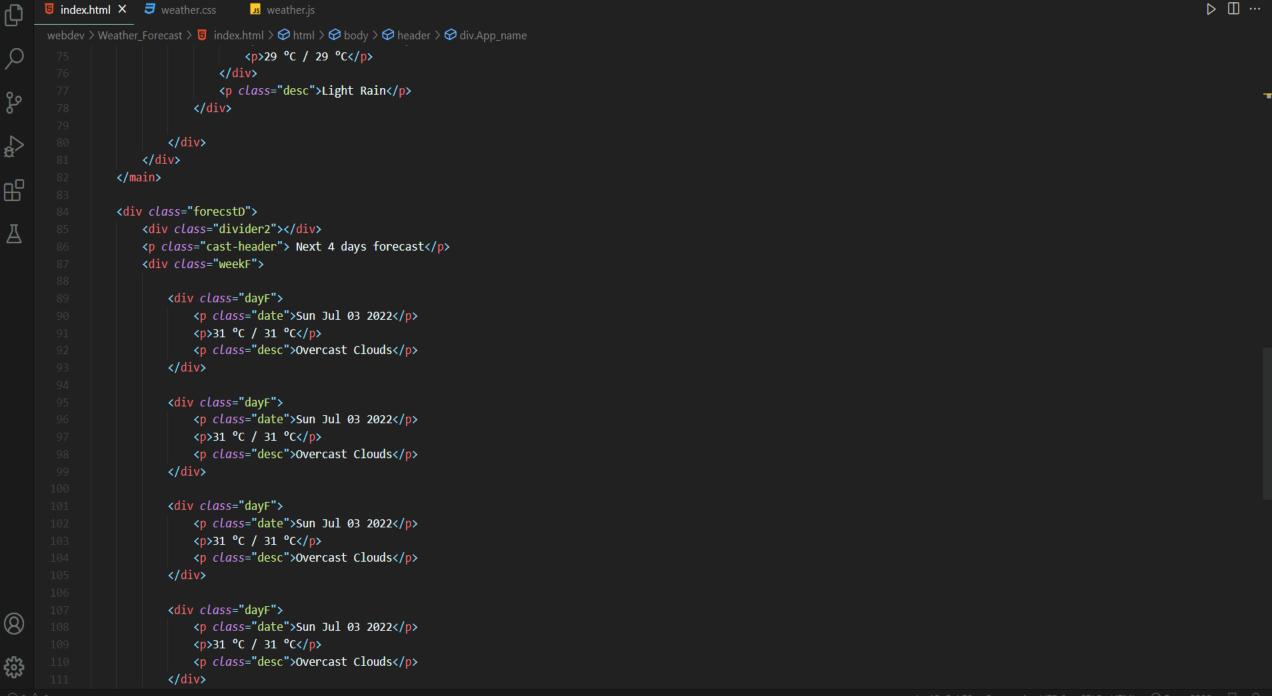
https://aadityatheperfect1.github.io/Weather-Forecast-App/

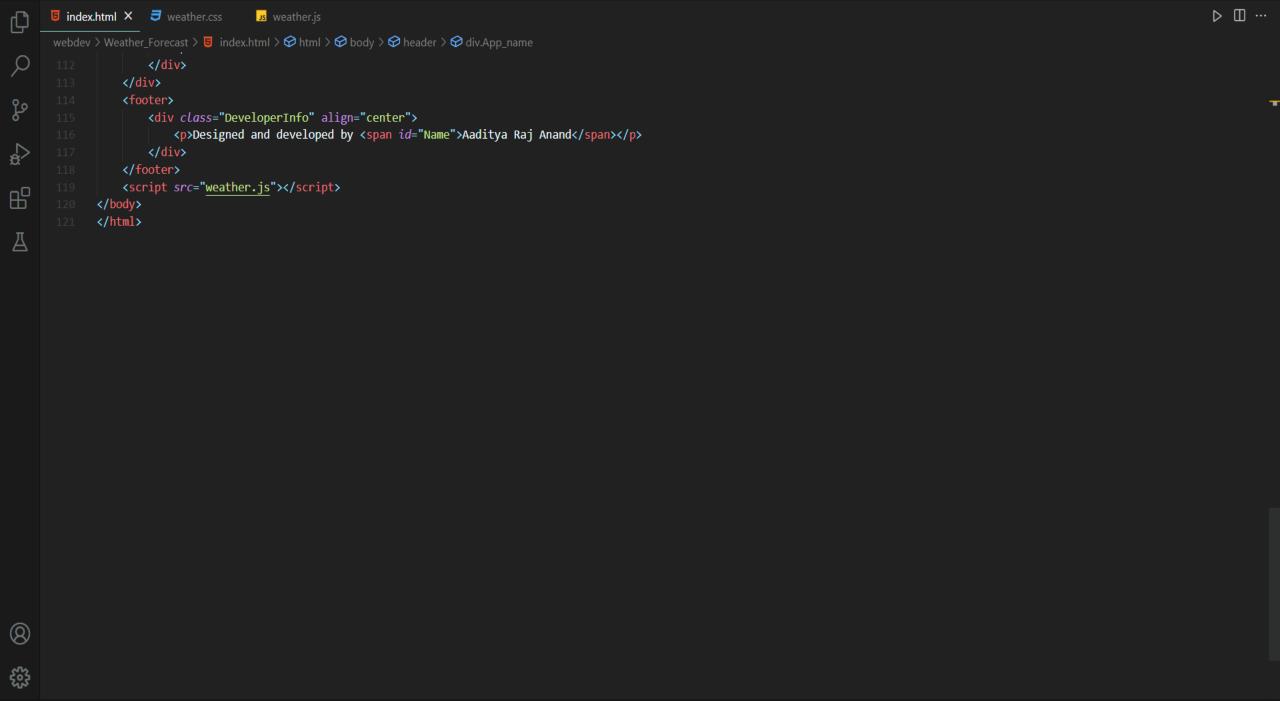
SOURCE CODE

Index.html

```
us weather.js
      webdev > Weather Forecast > ♥ index.html > ♦ html > ♦ body > ♦ header > ♦ div.App name
            <!DOCTYPE html>
            <html lang="en">
            <head>
مړ
                <meta charset="UTF-8">
                <meta http-equiv="X-UA-Compatible" content="IE=edge">
                <meta name="viewport" content="width=device-width, initial-scale=1.0">
                <title>WEATHER APP</title>
                <link rel="stylesheet" href="weather.css">
                <\link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.1.2/css/all.min.css" />
            </head>
                <header>
                    kdiv class="App_name" style="position: relative; left:75px;">
                       <h1>WEATHER APP</h1>
                    </div>
                    <div class="App-Logo" style="position: relative; left:390px;">
                       Weather<span>Forecast</span>
                       <img src="./icons/Icon.svg" alt="App-icon" class="App Icon">
                    </div>
                    <div style="position: relative; left:400px;">
                       <input type="text" name="" id="input" placeholder="Enter city name">
                       <button id="search" onclick="searchByCity()">Search/input>
                    </div>
                </header>
                <main style="margin-top: 70px;">
                    <div class="weather">
                       <h2 id="city">Delhi,IN</h2>
                       <div class="temp-box">
                           <img src="./icons/weathericon.png" alt="" id="img">
                           26 °C
                       <span id="clouds">Broken Clouds</span>
                    </div>
                    <div class="divider1"></div>
                    <div class="forecstH">
                       Upcoming forecast
```

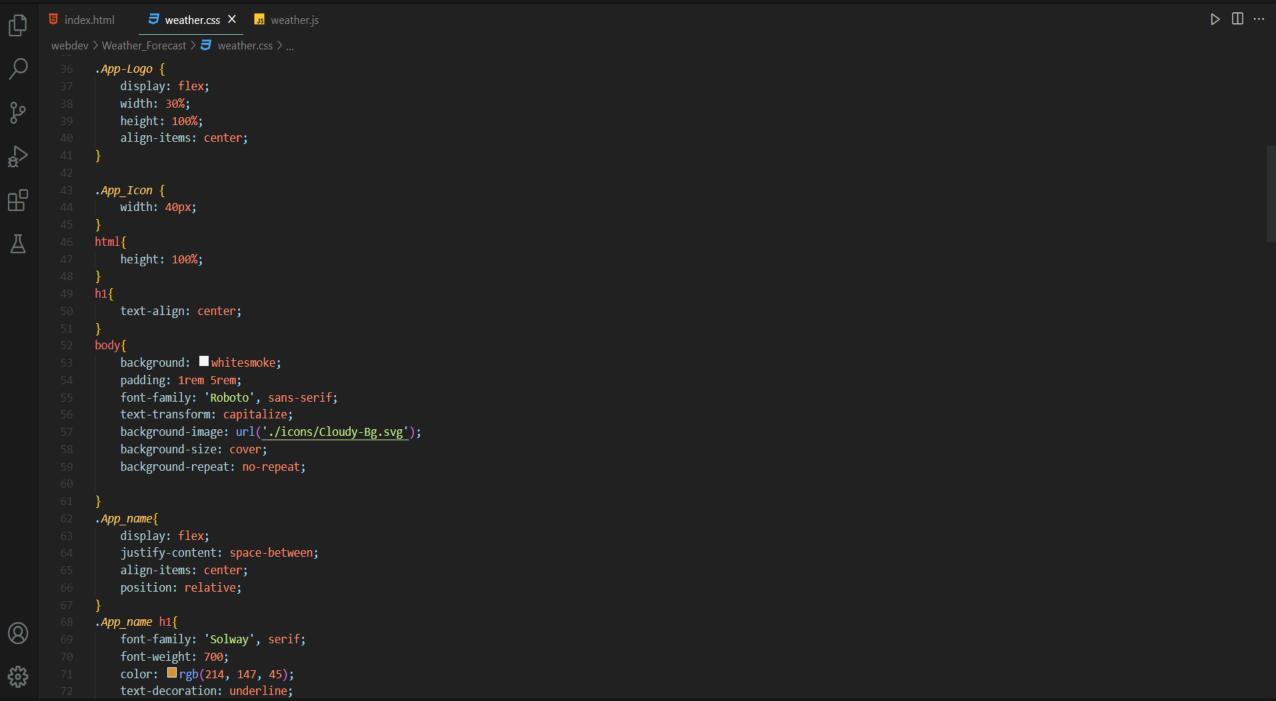






Weather.css

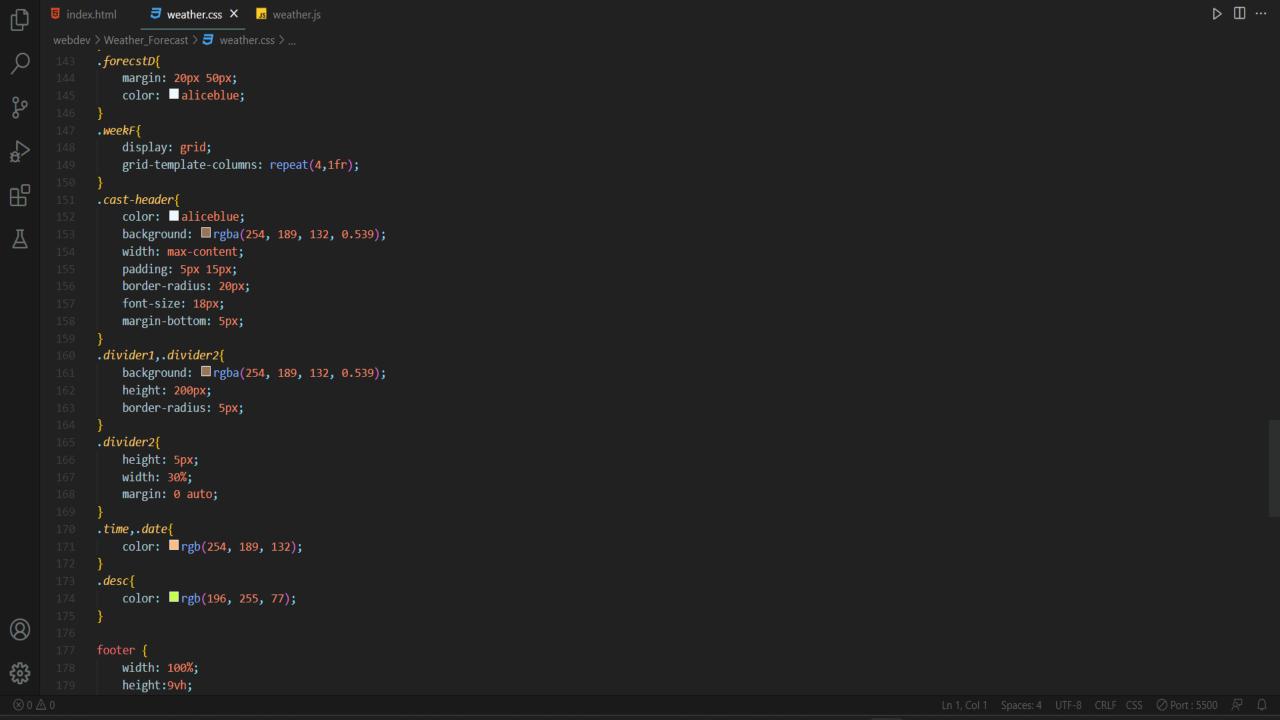
```
▶ Ⅲ …
                    index.html
      webdev > Weather_Forecast > ₹ weather.css > ...
            @import url('https://fonts.googleapis.com/css2?family=Solway:wght@700;800&display=swap');
                font-family: 'Solway', serif;
                font-weight: 800;
₽
B
            header {
                width: 100%;
                height: 14vh;
                display: flex;
                align-items: center;
                background-image: url('./icons/16953.jpg');
                position:absolute;
                top: 0;
                left:0px;
            #App_Name {
                color: □white;
                font-weight: 700;
                font-size: 28px;
            #App_Name span {
                font-size: 20px;
                font-weight: 800;
                color:
                ■rgb(214, 147, 45)
(8)
            .App-Logo {
                display: flex;
```





```
    □ …

                      ⋾ weather.css × ⋾ weather.js
      index.html
      webdev > Weather_Forecast > ₹ weather.css > ...
             #temperature{
                 font-size: 50px;
                 margin: 0;
                 margin-left: 30px;
                 margin-bottom: 10px;
₩,
             .temp-box{
                 display: flex;
品
                 align-items: center;
                 justify-content: center;
                 margin: 30px 0;
             #clouds{
                 font-size: 20px;
                 background: ■rgba(153, 205, 50, 0.778);
                 padding: 2px 20px;
                 border-radius: 15px;
                 display: grid;
                 grid-column-gap: 25px;
                 grid-template-columns: 1fr 5px 1fr;
                 align-items: center;
                 margin: 0 50px;
                 color: □white;
             .next{
                 display: flex;
                 justify-content: space-between;
                 align-items: center;
                 margin: 10px 0;
             .next p,.next h3{
                 margin: 3px 0;
             .forecstD{
                 margin: 20px 50px;
```

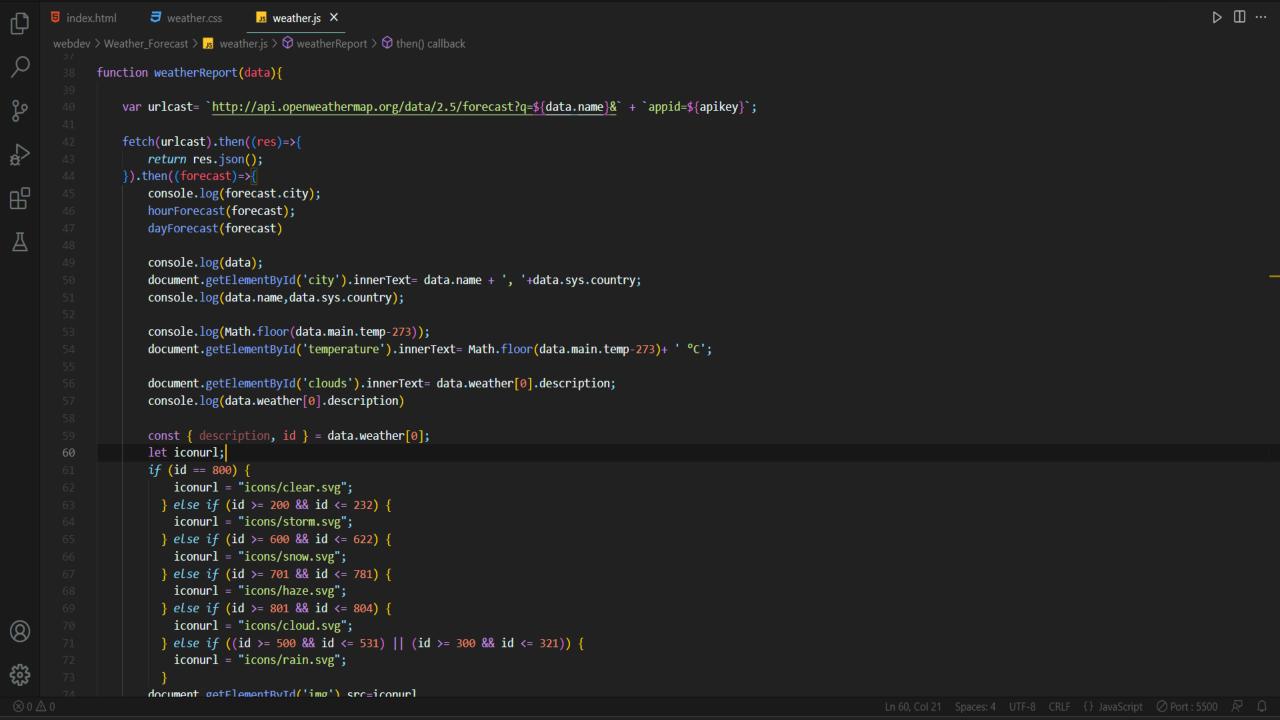


```
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     index.html
                    webdev > Weather_Forecast > ₹ weather.css > ...
                width: 100%;
                height:9vh;
                display: flex;
                position: fixed;
                left: 0px;
                bottom: 0px;
                flex-direction: row;
justify-content: center;
                align-items: center;
                background-image: url('./icons/16953.jpg');
            footer .App-Logo {
                display: flex;
                width: 30%;
                height: 100%;
                align-items: center;
            footer .DeveloperInfo {
                color: □white;
                width: 50%;
                height: 100%;
                display: flex;
                flex-direction: row;
                align-items: center;
                justify-content: center;
            footer .DeveloperInfo #Name {
                color:
                ■rgb(214, 147, 45);
                font-size: 20px;
      211 }
```

Weather.js

```
⋾ weather.css
                                      us weather.js X
      index.html
      webdev > Weather_Forecast > Js weather.js > ♦ weatherReport > ♦ then() callback
             const apikey="5a20159e465c9e71ddecb8a066499b1a";
             window.addEventListener("load",()=>{
                 if(navigator.geolocation){
                     navigator.geolocation.getCurrentPosition((position)=>{
                          let lon= position.coords.longitude;
                         let lat= position.coords.latitude;
£>
                         const url= `http://api.openweathermap.org/data/2.5/weather?lat=${lat}&` + `lon=${lon}&appid=${apikey}`;
留
                         fetch(url).then((res)=>{
                             return res.json();
                         }).then((data)=>{
                             console.log(data);
                             console.log(new Date().getTime())
                             var dat= new Date(data.dt)
                             console.log(dat.toLocaleString(undefined,'Asia/Kolkata'))
                             console.log(new Date().getMinutes())
                             weatherReport(data);
             function searchByCity(){
                 var place= document.getElementById('input').value;
                 var urlsearch= `http://api.openweathermap.org/data/2.5/weather?q=${place}&` + `appid=${apikey}`;
                 fetch(urlsearch).then((res)=>{
                     return res.json();
                     console.log(data);
                     weatherReport(data);
                 document.getElementById('input').value='';
```



₹ weather.css us weather.js X webdev > Weather_Forecast > 🕟 weather.js > 🛇 weatherReport > 🛇 then() callback document.getElementById('img').src=iconurl function hourForecast(forecast){ document.querySelector('.templist').innerHTML='' for (let i = 0; i < 5; i++) { var date= new Date(forecast.list[i].dt*1000) console.log((date.toLocaleTimeString(undefined, 'Asia/Kolkata')).replace(':00','')) let hourR=document.createElement('div'); hourR.setAttribute('class','next'); let div= document.createElement('div'); let time= document.createElement('p'); time.setAttribute('class','time') time.innerText= (date.toLocaleTimeString(undefined, 'Asia/Kolkata')).replace(':00',''); let temp= document.createElement('p'); temp.innerText= Math.floor((forecast.list[i].main.temp max - 273))+ ' °C' + ' / ' + Math.floor((forecast.list[i].main.temp min - 273))+ ' °C'; div.appendChild(time) div.appendChild(temp) let desc= document.createElement('p'); desc.setAttribute('class','desc') desc.innerText= forecast.list[i].weather[0].description; hourR.appendChild(div); hourR.appendChild(desc) document.querySelector('.templist').appendChild(hourR);

▶ □ …

index.html **⋾** weather.css us weather.js X webdev > Weather_Forecast > Js weather.js > ♦ weatherReport > ♦ then() callback hourR.appendChild(div); hourR.appendChild(desc) document.querySelector('.templist').appendChild(hourR); **₩** function dayForecast(forecast){ document.querySelector('.weekF').innerHTML='' for (let i = 8; i < forecast.list.length; i+=8) {</pre> console.log(forecast.list[i]); let div= document.createElement('div'); div.setAttribute('class','dayF'); let day= document.createElement('p'); day.setAttribute('class','date') day.innerText= new Date(forecast.list[i].dt*1000).toDateString(undefined, 'Asia/Kolkata'); div.appendChild(day); let temp= document.createElement('p'); temp.innerText= Math.floor((forecast.list[i].main.temp max - 273))+ ' °C' + ' / ' + Math.floor((forecast.list[i].main.temp min - 273))+ ' °C'; div.appendChild(temp) let description= document.createElement('p'); description.setAttribute('class','desc') description.innerText= forecast.list[i].weather[0].description; div.appendChild(description); document.querySelector('.weekF').appendChild(div)

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THANK YOU

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