

## AWT Practical *Week - 15 Task*

## JQuery and Ajax PHP

## 1) Experiments with JQuery:

- a. document.ready()
- b. jQuery Effects - Hide and Show, Fading, Sliding etc
- c. jQuery Manipulating CSS
- d. jQuery DOM Manipulation (val, text etc)

**Code:**

index.html jquery U X style.css jquery U app.js jquery U index.html weather U style.css weather U app.js weather U

```

1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <link rel="stylesheet" href="style.css">
9   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
10     integrity="sha384-1BmE4kWBq78iYhF1dvKuhFUAU6auU8tT94W/HftjDbrCEXSU1oBoqy12QvZ6jIW3" crossorigin="anonymous">
11   <title>jQuery</title>
12 </head>
13
14 <body style="background-color: #eeeeec;">
15   <div class="offcanvas-backdrop fade show" id="backdrop"></div>
16   <div class="modal" id="modal" tabindex="-1">
17     <div class="modal-dialog">
18       <div class="modal-content">
19         <div class="modal-header">
20           <h3 class="modal-title">Welcome</h3>
21           <button type="button" class="btn-close" id="btn-close" data-bs-dismiss="modal" aria-label="Close">
22         </div>
23         <div class="modal-body">
24           <h5>Welcome, From 19IT035 KRUTIK GADHIYA</h5>
25         </div>
26       </div>
27     </div>
28   </div>

```

main\* 0 0 0 Watch Sass Ln 8, Col 43 Spaces: 2 UTF-8 LF HTML Port: 5500 Prettier 11:09 PM 10/22/2021

The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays the project structure, including folders for 'jquery', 'appjs', 'indexhtml', 'stylecss', and 'weather'. The main editor window shows the 'index.html' file, which contains HTML code for a web page. The code includes a container with a sliding animation, a toggle button, and a text area with a sliding animation. The status bar at the bottom indicates the file is at line 27, column 11, with a width of 2 spaces and a font size of 14pt. The system tray at the bottom right shows the time as 11:10 PM on 10/22/2021.

```

75     </div>
76   </div>
77   <div class="col-6">
78     <div id="css-mani-target" class="container bg-success text-white p-5">CSS Manipulation Target</div>
79   </div>
80 </div>
81 <div class="row">
82   <div class="col-12"><button id="toglClass" class="btn btn-dark">Toggle class of the next div</button>
83   <div class="col-12 mt-3">
84     <div id="toglClassTarget" class="toglClassTarget">
85       <div class="p-3">
86         <label for="exampleInputEmail1" class="form-label">Enter Something</label>
87         <input type="text" class="form-control" id="input">
88         <p id="inputVal"></p>
89       </div>
90     </div>
91   </div>
92 </div>
93 </div>
94 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
95   integrity="sha384-ka75k0Gn4gmtz2M1Qn1k1wXgYs0g+OMhuP+ILRH9sENB00LRn5q+8nbTov4+1p"
96   crossorigin="anonymous"></script>
97 <script src="https://cdn.jsdelivr.net/npm/jquery/3.6.0/jquery.min.js"></script>
98 <script src="app.js"></script>
99 </body>
100
101 </html>

```

## JS (jQuery):

```

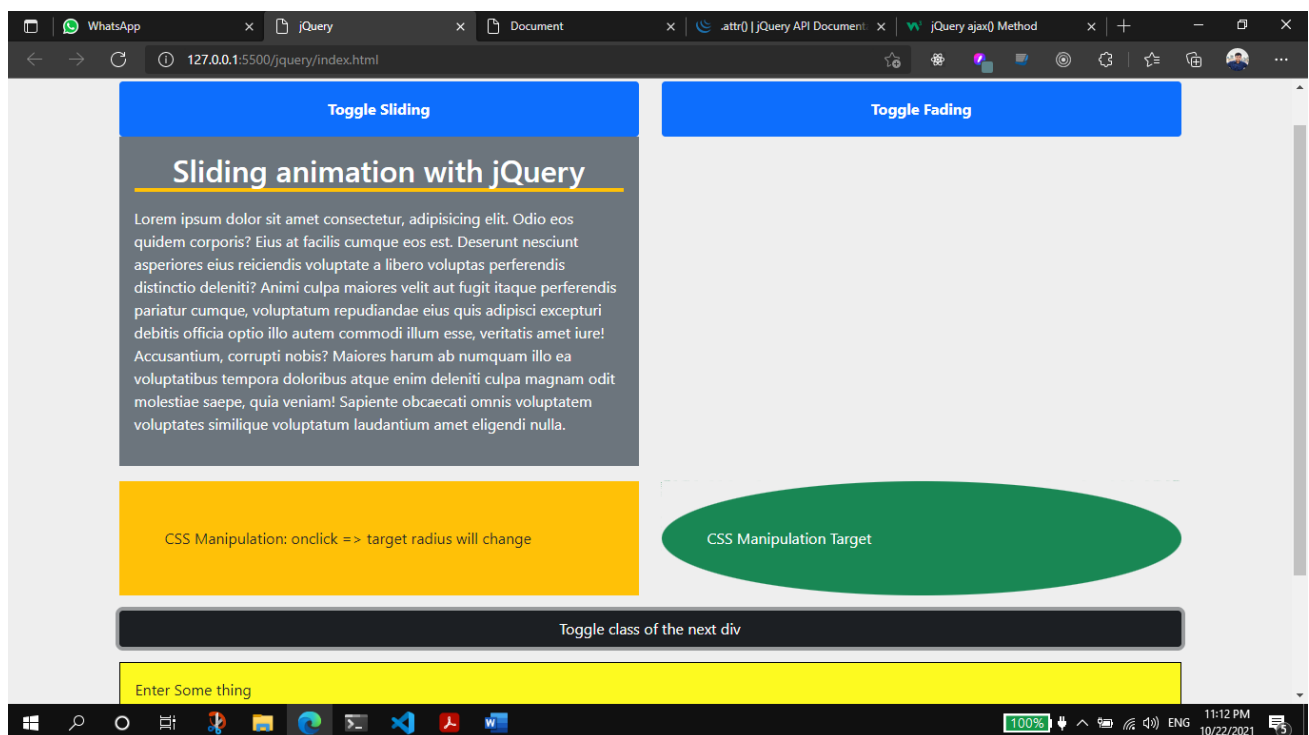
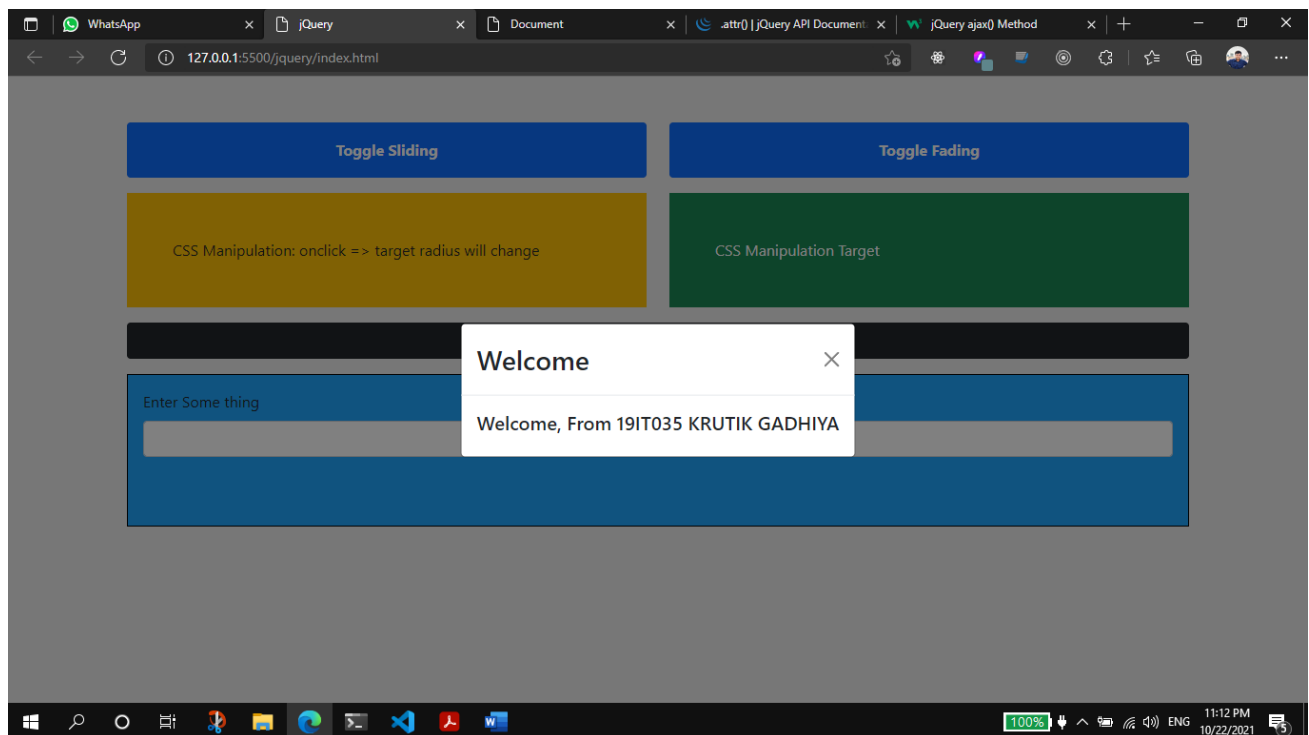
1  $(document).ready(() => {
2    $("#modal").show()
3    $("#backdrop").click(() => {
4      $("#backdrop").hide()
5      $("#modal").hide('fast')
6    })
7    $("#btn-close").click(() => {
8      $("#backdrop").hide()
9      $("#modal").hide('fast')
10   })
11
12   // sliding effect
13   $("#slide").click(() => {
14     $("#toggle-slide").slideToggle('slow')
15   })
16
17   // fading effect
18   $("#fade").click(() => {
19     $("#toggle-fade").fadeToggle('slow')
20   })
21
22   // CSS manipulation
23   $("#css-mani").on('mouseover', () => {
24     $("#css-mani-target").css("border-radius", "50%")
25   }).on('mouseleave', () => {
26     $("#css-mani-target").css("border-radius", "0%")
27   })
28

```

```

29   // DOM manipulation
30   $("#toglClass").click(() => {
31     $("#toglClassTarget").toggleClass("active")
32   })
33   $("#input").keyup(function () {
34     let val = $(this).val()
35     $("#inputVal").text(val)
36   })
37

```

**Output:**

## 2) Show current weather information using jquery-ajax.

- a. Enter City Name and Show weather info. on page using jquery-ajax(without page reloading)

### Code

```

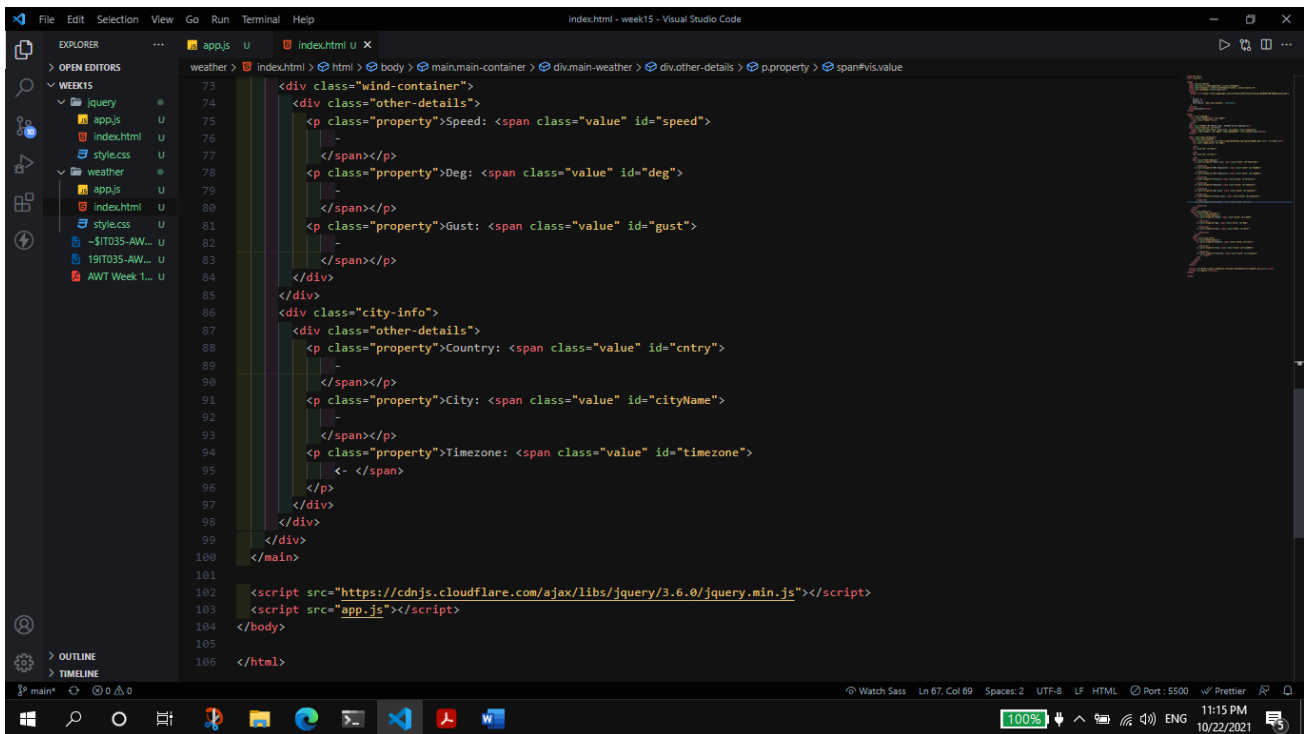
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <link rel="stylesheet" href="style.css">
9   <style>
10     @import url('https://fonts.googleapis.com/css2?family=Noto+Sans+Display:wght@400;500;600&display=swap');
11
12     * {
13       margin: 0;
14       padding: 0;
15       font-family: 'Noto Sans Display', sans-serif;
16     }
17   </style>
18   <title>Document</title>
19 </head>
20
21 <body>
22   <div class="loading">
23     <div class="loader-cont" id="loader">
24       <div class="loader"></div>
25     </div>
26   </div>
27   <div class="header">My Weather App - 19IT035 Krutik Gadhiya</div>
28   <form class="location" id="form">
29     <input required type="text" name="city" id="input" class="inputCity">
30     <button type="submit" id="submit" name="getWeather" class="button">GO!</button>
31   </form>
32
33   <main class="main-container">
34     <div class="main-weather">
35       <div class="icon"></div>

```

```

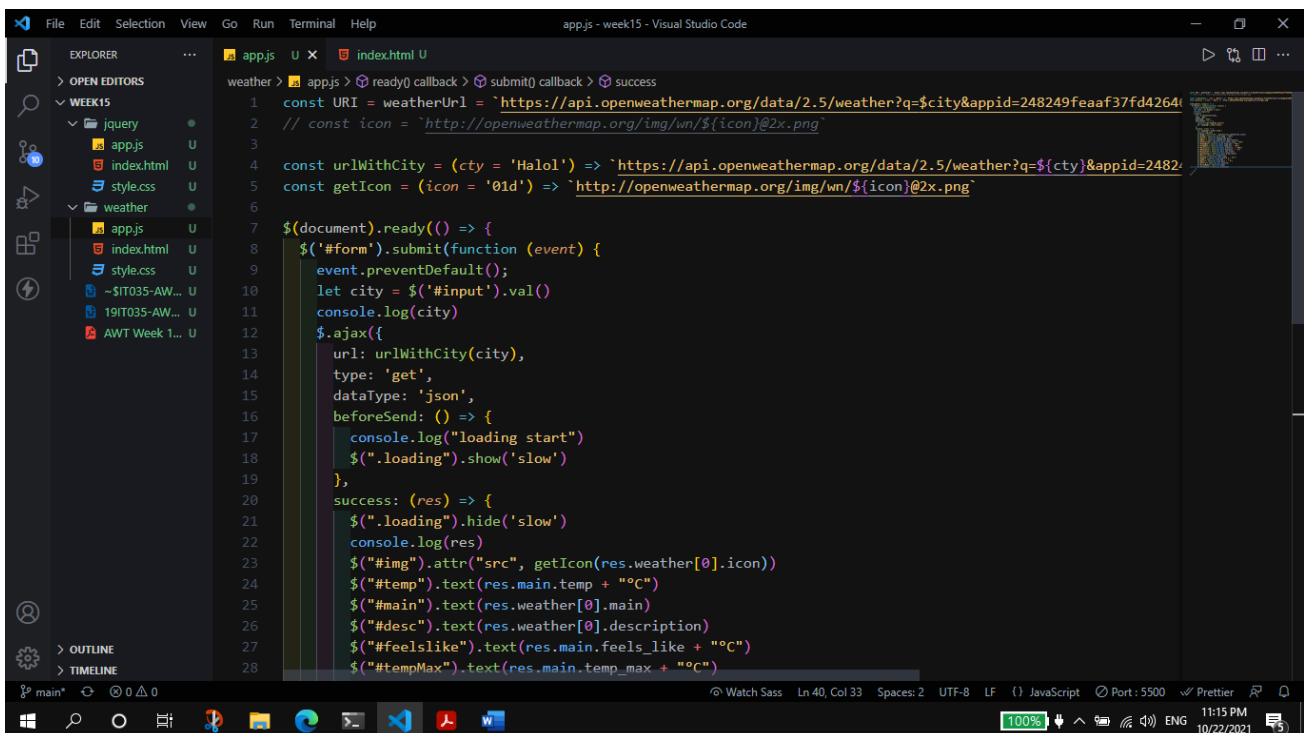
36     <div class="icon"></div>
37     <h1 class="temperature" id="temp">
38       -
39     </h1>
40     <h2 class="h2" id="main">
41       -
42     </h2>
43     <h3 class="h3" id="desc">
44       -
45     </h3>
46     <div class="other-details">
47       <p class="property">Feels Like: <span class="value" id="feelslike">
48         -
49       </span></p>
50       <p class="property">MAX Temperature: <span class="value" id="tempMax">
51         -
52       </span></p>
53       <p class="property">MIN Temperature: <span class="value" id="tempMin">
54         -
55       </span></p>
56       <p class="property">Pressure: <span class="value" id="pressure">
57         -
58       </span></p>
59       <p class="property">Humidity: <span class="value" id="humidity">
60         -
61       </span></p>
62       <p class="property">Sea Level: <span class="value" id="sealevel">
63         -
64       </span></p>
65       <p class="property">Ground Level: <span class="value" id="grndLevel">
66         -
67       </span></p>
68       <p class="property">Visibility: <span class="value" id="vis">

```



```
73 <div class="wind-container">
74   <div class="other-details">
75     <p class="property">Speed: <span class="value" id="speed">
76       -
77     </span></p>
78     <p class="property">Deg: <span class="value" id="deg">
79       -
80     </span></p>
81     <p class="property">Gust: <span class="value" id="gust">
82       -
83     </span></p>
84   </div>
85 </div>
86 <div class="city-info">
87   <div class="other-details">
88     <p class="property">Country: <span class="value" id="cntry">
89       -
90     </span></p>
91     <p class="property">City: <span class="value" id="cityName">
92       -
93     </span></p>
94     <p class="property">Timezone: <span class="value" id="timezone">
95       -
96     </span></p>
97   </div>
98 </div>
99 </div>
100 </main>
101
102 <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
103 <script src="app.js"></script>
104 </body>
105
106 </html>
```

## JS (jQuery):



```
1 const URI = weatherUrl = `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=248249feaf37fd4264
2 // const icon = `http://openweathermap.org/img/wn/${icon}@2x.png`
3
4 const urlWithCity = (cty = 'Halol') => `https://api.openweathermap.org/data/2.5/weather?q=${cty}&appid=2482
5 const getIcon = (icon = '01d') => `http://openweathermap.org/img/wn/${icon}@2x.png`
6
7 $(document).ready(() => {
8   $('#form').submit(function (event) {
9     event.preventDefault();
10    let city = $('#input').val()
11    console.log(city)
12    $.ajax({
13      url: urlWithCity(city),
14      type: 'get',
15      dataType: 'json',
16      beforeSend: () => {
17        console.log("loading start")
18        $(".loading").show('slow')
19      },
20      success: (res) => {
21        $(".loading").hide('slow')
22        console.log(res)
23        $("#img").attr("src", getIcon(res.weather[0].icon))
24        $("#temp").text(res.main.temp + "°C")
25        $("#main").text(res.weather[0].main)
26        $("#desc").text(res.weather[0].description)
27        $("#feelslike").text(res.main.feels_like + "°C")
28        $("#tempMax").text(res.main.temp_max + "°C")
```

```

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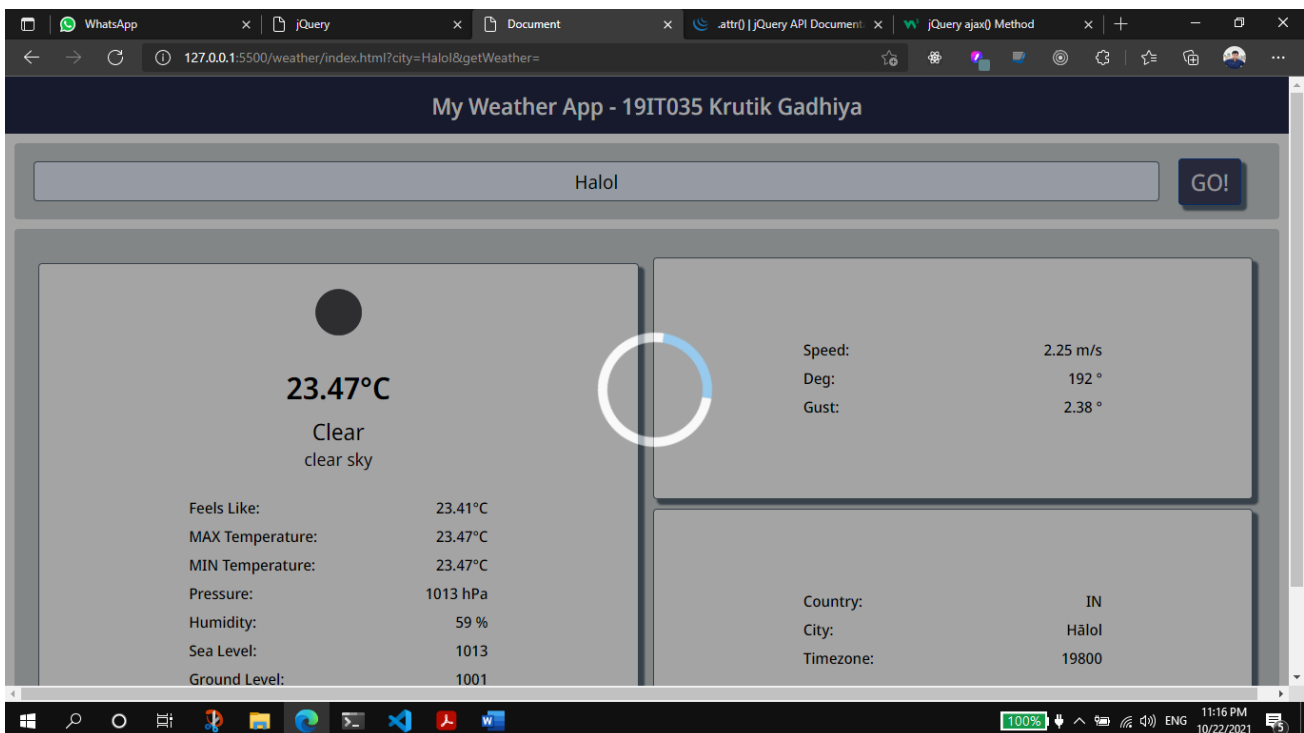
```

```

success: (res) => {
  $(".loading").hide('slow')
  console.log(res)
  $("#img").attr("src", getIcon(res.weather[0].icon))
  $("#temp").text(res.main.temp + "°C")
  $("#main").text(res.weather[0].main)
  $("#desc").text(res.weather[0].description)
  $("#feelslike").text(res.main.feels_like + "°C")
  $("#tempMax").text(res.main.temp_max + "°C")
  $("#tempMin").text(res.main.temp_min + "°C")
  $("#pressure").text(res.main.pressure + " hPa")
  $("#humidity").text(res.main.humidity + " %")
  $("#seaLevel").text(res.main.sea_level)
  $("#grndLevel").text(res.main.grnd_level)
  $("#vis").text(res.visibility)
  $("#speed").text(res.wind.speed + ' m/s')
  $("#deg").text(res.wind.deg + ' °')
  $("#gust").text(res.wind.gust + ' °')
  $("#cntry").text(res.sys.country)
  $("#cityName").text(res.name)
  $("#timezone").text(res.timezone)
}
}
}
}

```

## Output:



The screenshot displays a web browser window with multiple tabs. The active tab shows a weather application titled "My Weather App - 19IT035 Krutik Gadhiya". The application features a search bar with the text "surat" and a "GO!" button. Below the search bar, the weather details for Surat are displayed:

- Temperature: 25.59°C
- Condition: Clear, clear sky
- Feels Like: 25.88°C
- MAX Temperature: 25.59°C
- MIN Temperature: 25.59°C
- Pressure: 1013 hPa
- Humidity: 64 %
- Sea Level: 1013
- Ground Level: 1013
- Speed: 3.06 m/s
- Deg: 236 °
- Gust: 4.19 °
- Country: IN
- City: Surat
- Timezone: 19800

The browser's address bar shows the URL "127.0.0.1:5500/weather/index.html?city=Halol&getWeather=". The Windows taskbar at the bottom indicates the system time as 11:16 PM on 10/22/2021.