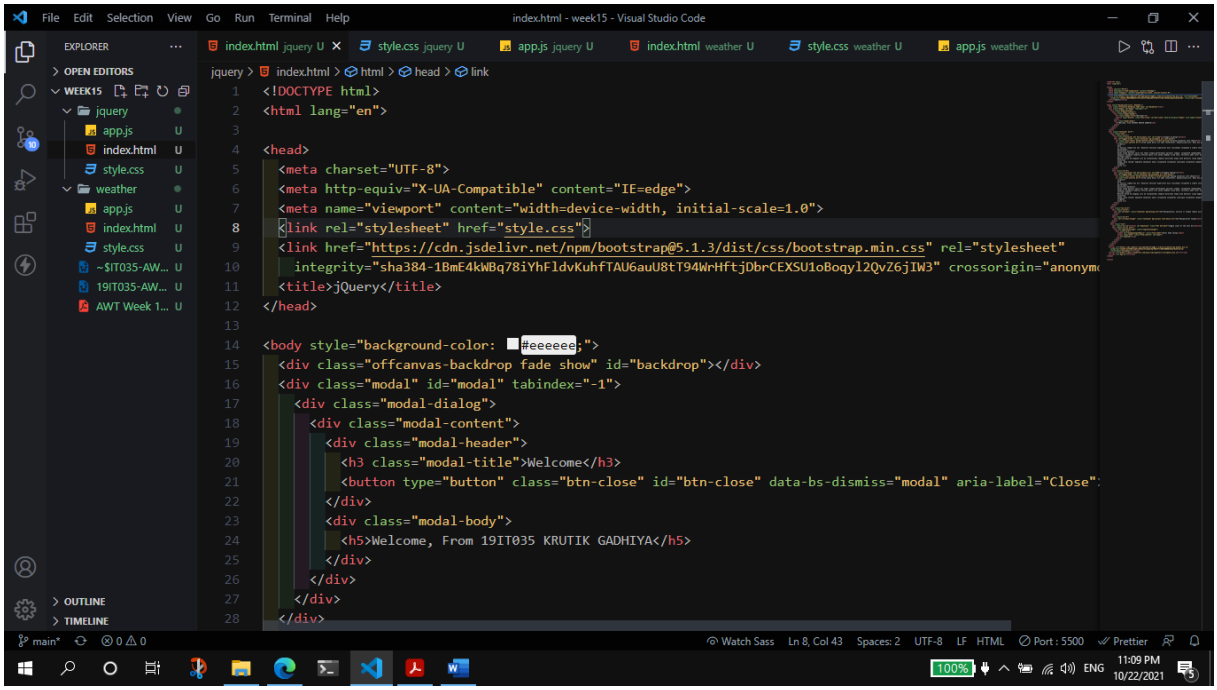
AWT Practical *Week - 15 Task*

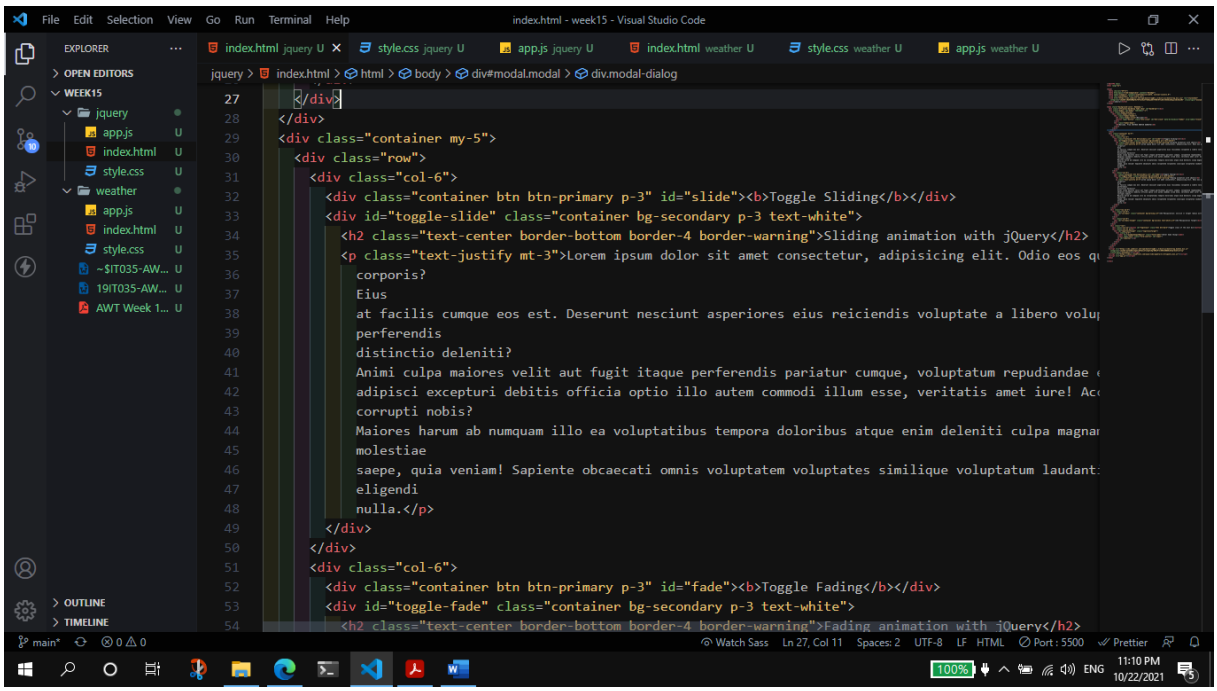
JQuery and Ajax PHP

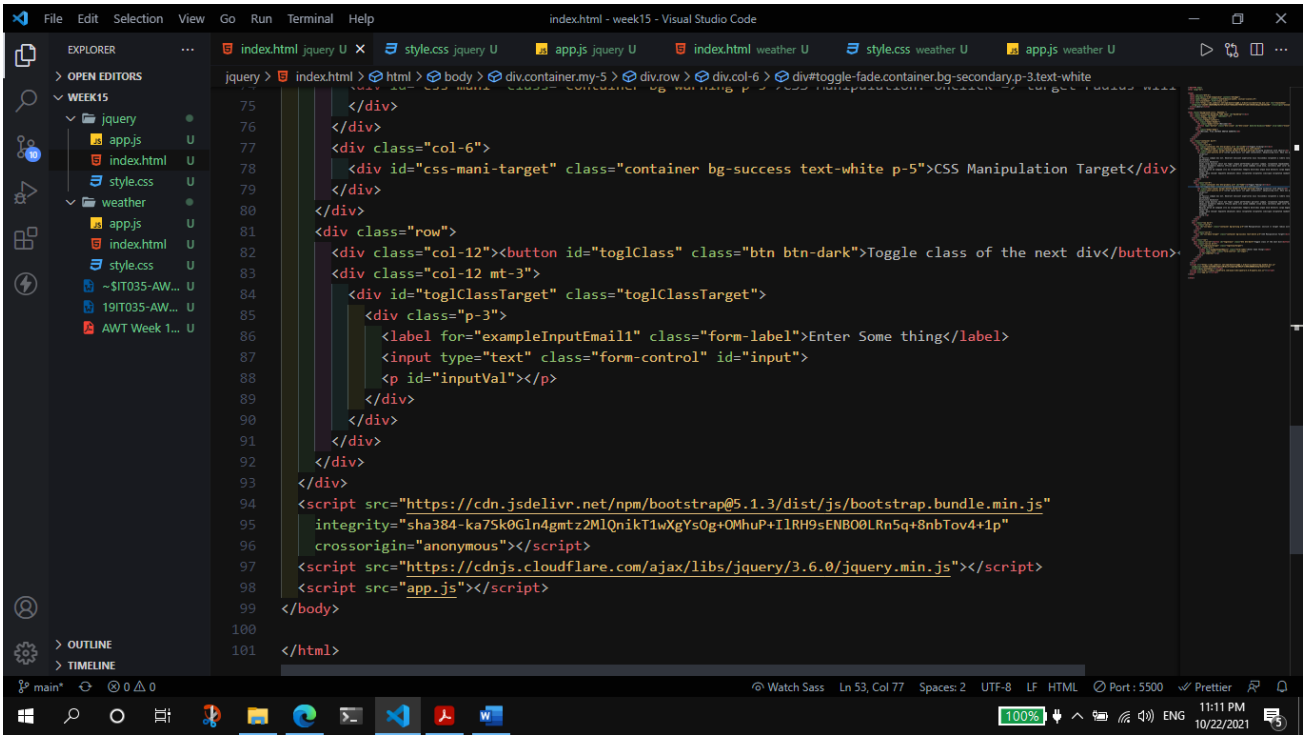
1) Experiments with Jquery:

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

Code:

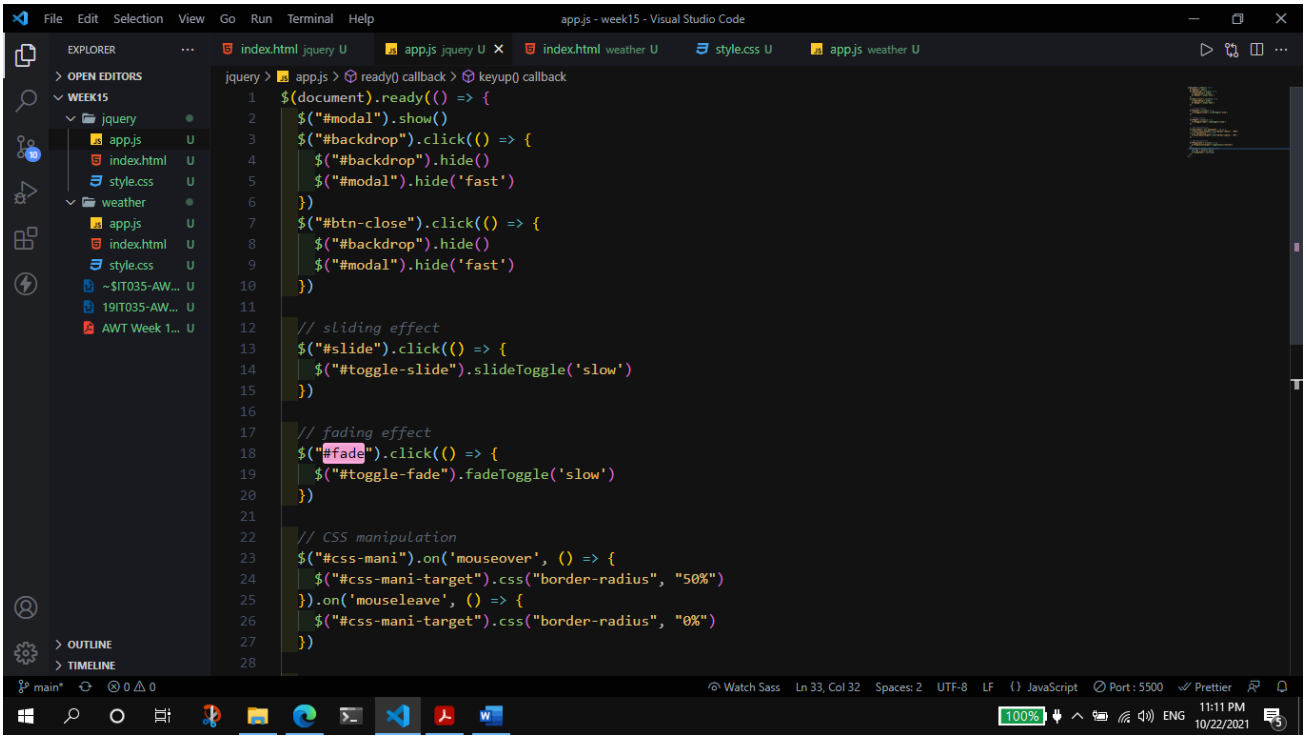






```
</div>
</div>
<div class="col-6">
  <div id="css-mani-target" class="container bg-success text-white p-5">CSS Manipulation Target</div>
</div>
</div>
<div class="row">
  <div class="col-12"><button id="toglClass" class="btn btn-dark">Toggle class of the next div</button>
  <div class="col-12 mt-3">
    <div id="toglClassTarget" class="toglClassTarget">
      <div class="p-3">
        <label for="exampleInputEmail1" class="form-label">Enter Some thing</label>
        <input type="text" class="form-control" id="input">
        <p id="inputVal"></p>
      </div>
    </div>
  </div>
</div>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
  crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script src="app.js"></script>
</body>

</html>
```

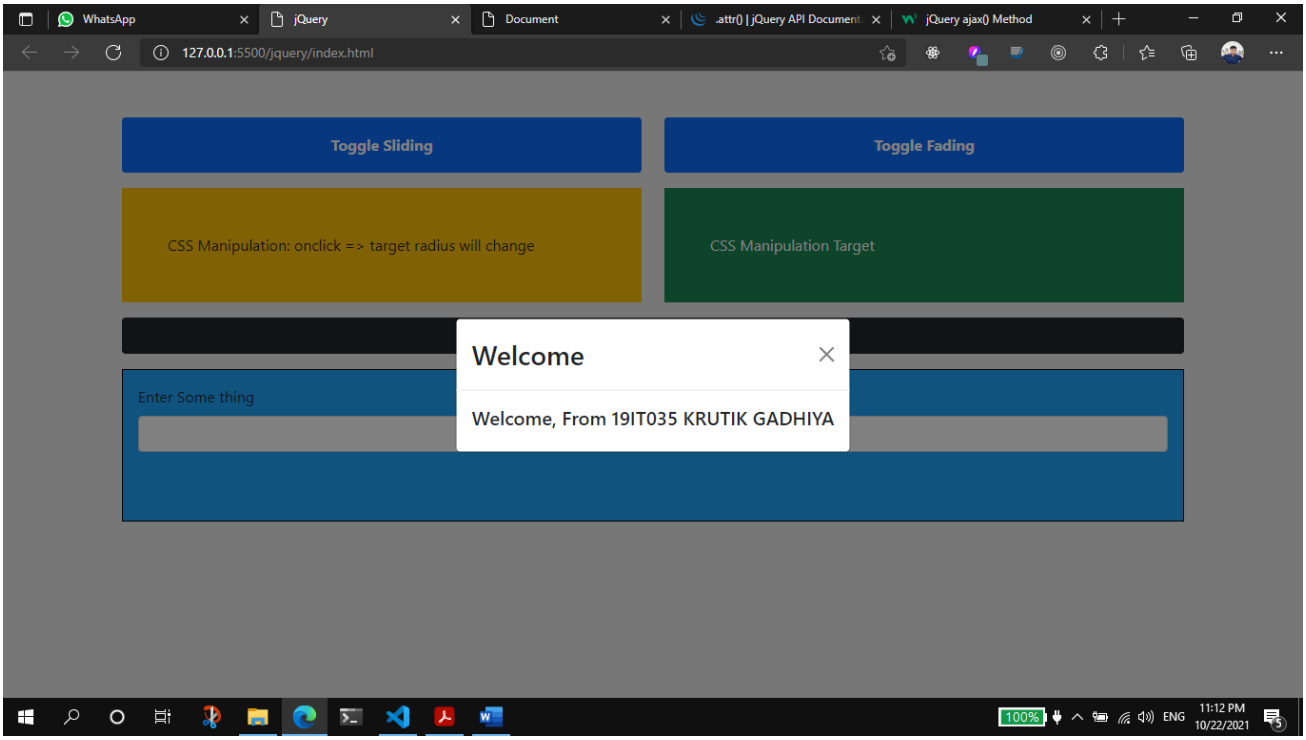
JS (JQuery):

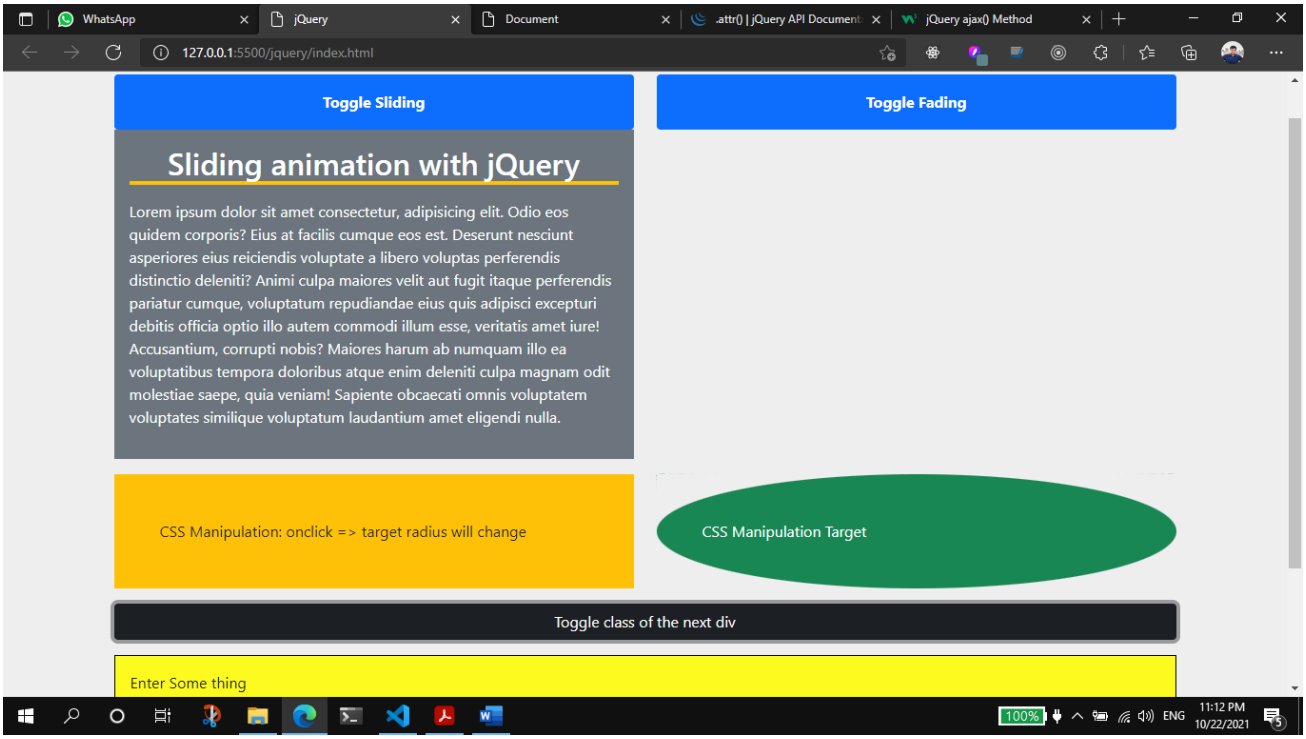


```
$(document).ready(() => {
  $("#modal").show()
  $("#backdrop").click(() => {
    $("#backdrop").hide()
    $("#modal").hide('fast')
  })
  $("#btn-close").click(() => {
    $("#backdrop").hide()
    $("#modal").hide('fast')
  })

  // sliding effect
  $("#slide").click(() => {
    $("#toggle-slide").slideToggle('slow')
  })

  // fading effect
  $("#fade").click(() => {
    $("#toggle-fade").fadeToggle('slow')
  })

  // CSS manipulation
  $("#css-mani").on('mouseover', () => {
    $("#css-mani-target").css("border-radius", "50%")
  }).on('mouseleave', () => {
    $("#css-mani-target").css("border-radius", "0%")
  })

```

```
// DOM manipulation
$("#toglClass").click(() => {
  $("#toglClassTarget").toggleClass("active")
})
$("#input").keyup(function () {
  let val = $(this).val()
  $("#inputVal").text(val)
})
})
```

Output:

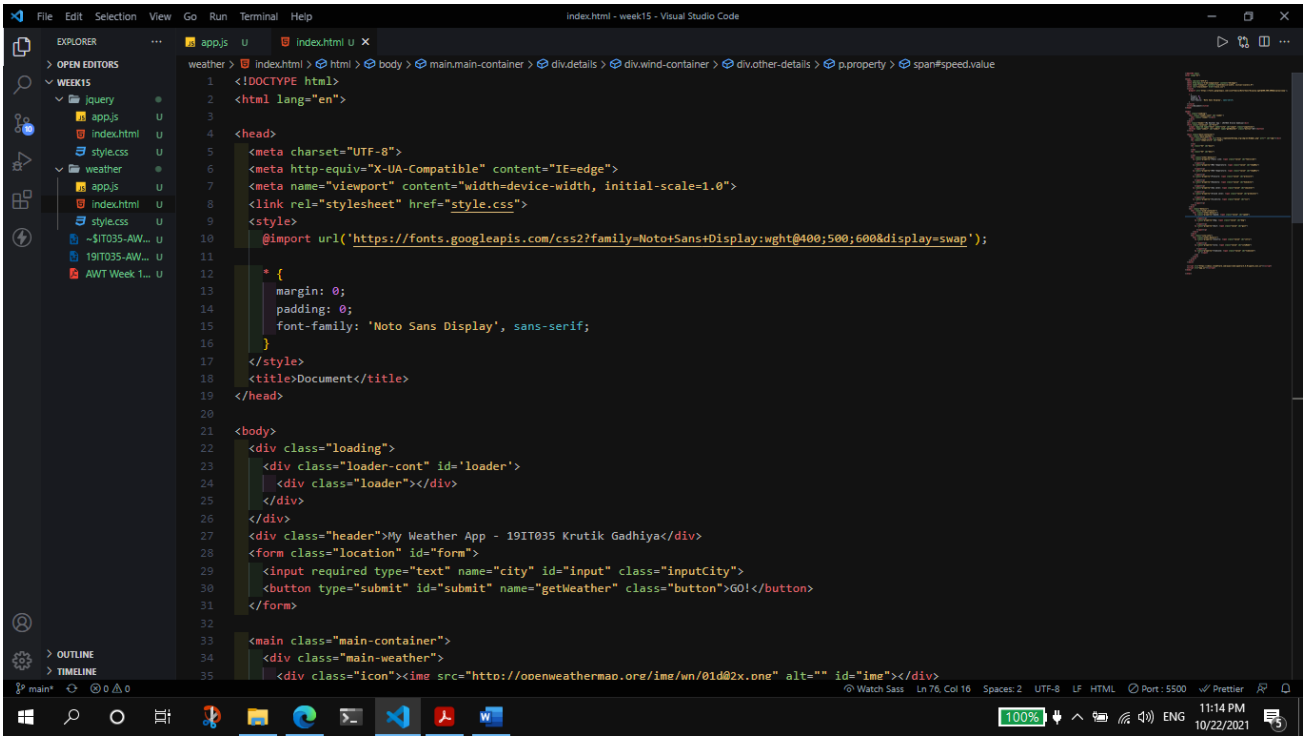

WhatsApp
jQuery
Document
.attr() | jQuery API Document
jQuery ajax() Method
127.0.0.1:5500/jquery/index.html
Toggle Sliding
Toggle Fading
CSS Manipulation: onclick => target radius will change
CSS Manipulation Target
Welcome
Welcome, From 19IT035 KRUTIK GADHIYA
Enter Some thing
100%
ENG
11:12 PM
10/22/2021


WhatsApp
jQuery
Document
.attr() | jQuery API Document
jQuery ajax() Method
127.0.0.1:5500/jquery/index.html
Toggle Sliding
Toggle Fading
Sliding animation with jQuery
Lorem ipsum dolor sit amet consectetur, adipisicing elit. Odio eos quidem corporis? Eius at facilis cumque eos est. Deserunt nesciunt asperiores eius reiciendis voluptate a libero voluptas perferendis distinctio deleniti? Animi culpa maiores velit aut fugit itaque perferendis pariatur cumque, voluptatum repudiandae eius quis adipisci excepturi debitis officia optio illo autem commodi illum esse, veritatis amet iure! Accusantium, corrupti nobis? Maiores harum ab numquam illo ea voluptatibus tempora doloribus atque enim deleniti culpa magnam odit molestiae saepe, quia veniam! Sapiente obcaecati omnis voluptatem voluptates similique voluptatum laudantium amet eligendi nulla.
CSS Manipulation: onclick => target radius will change
CSS Manipulation Target
Toggle class of the next div
Enter Some thing
100%
ENG
11:12 PM
10/22/2021

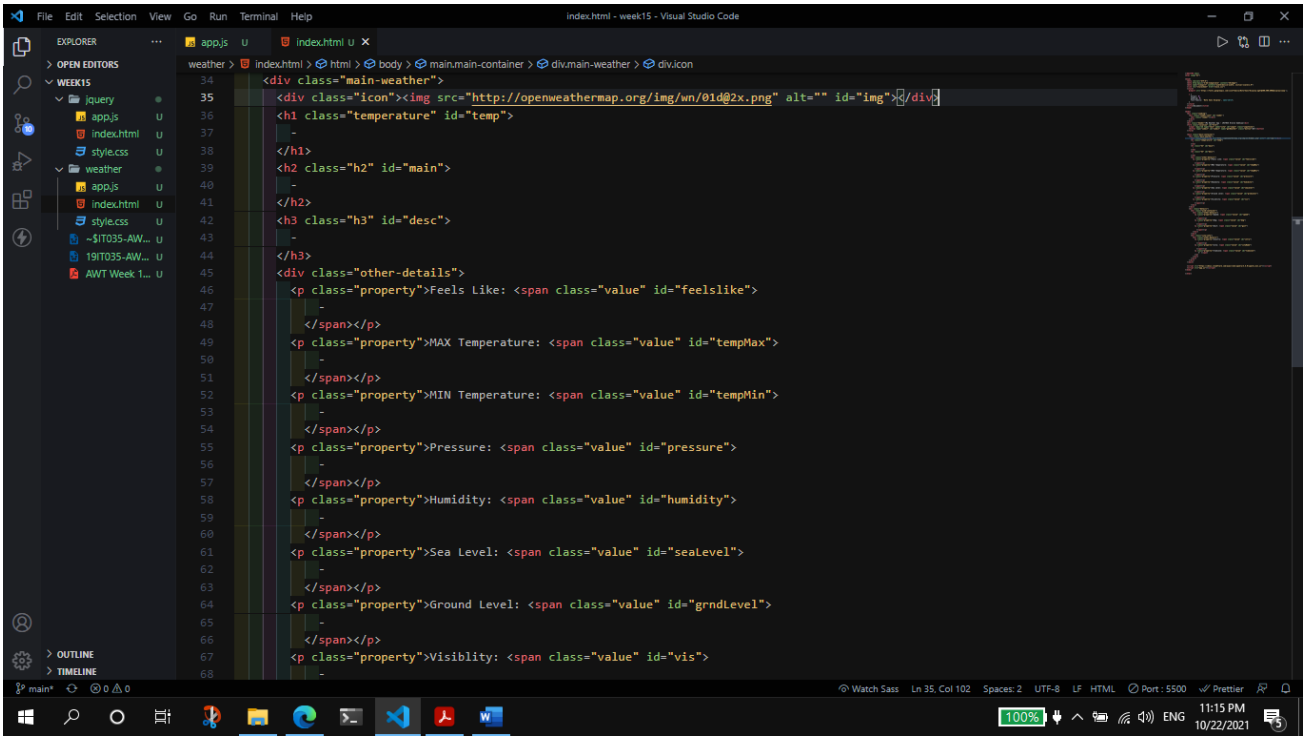
2) Show current weather information using jquery-ajax.

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

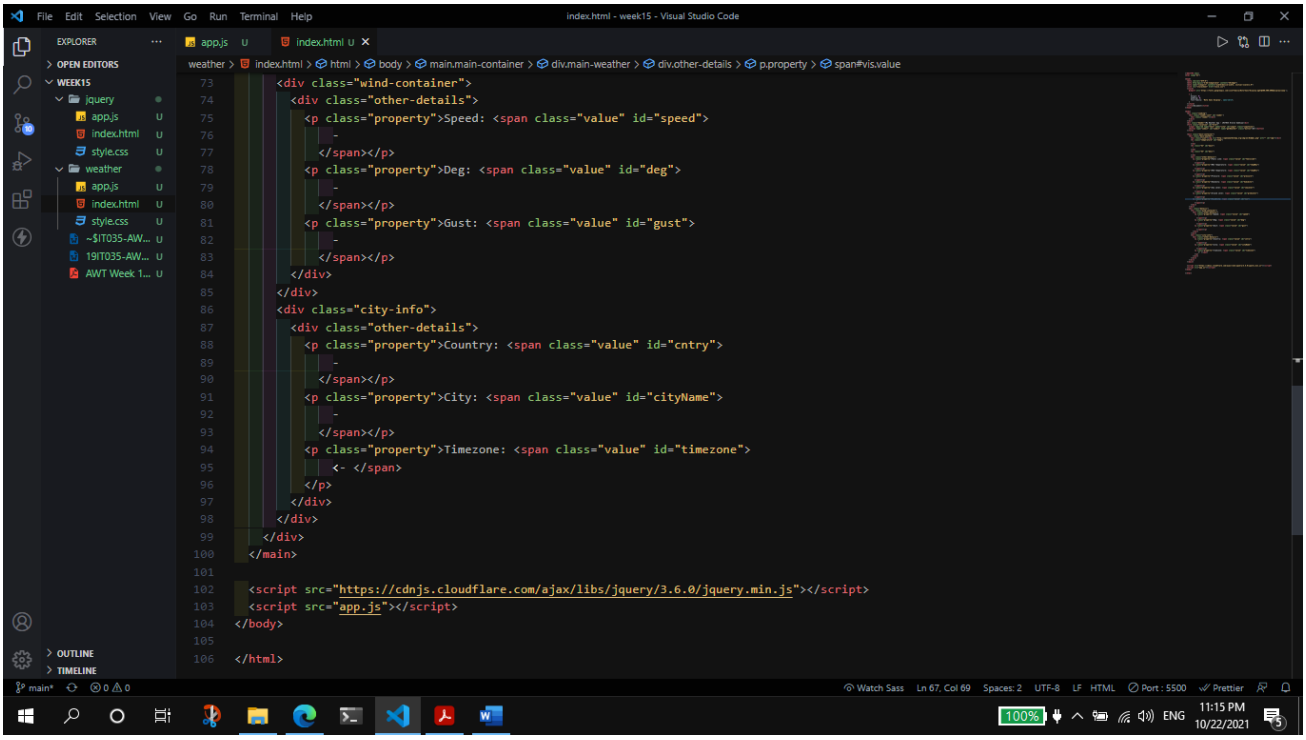
Code



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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <style>
    @import url('https://fonts.googleapis.com/css2?family=Noto+Sans+Display:wght@400;500;600&display=swap');

    * {
      margin: 0;
      padding: 0;
      font-family: 'Noto Sans Display', sans-serif;
    }
  </style>
  <title>Document</title>
</head>

<body>
  <div class="loading">
    <div class="loader-cont" id='loader'>
      <div class="loader"></div>
    </div>
  </div>
  <div class="header">My Weather App - 19IT035 Krutik Gadhiya</div>
  <form class="location" id="form">
    <input required type="text" name="city" id="input" class="inputCity">
    <button type="submit" id="submit" name="getWeather" class="button">GO!</button>
  </form>

  <main class="main-container">
    <div class="main-weather">
      <div class="icon"><img src="http://openweathermap.org/img/wn/01d@2x.png" alt="" id="img"></div>
```

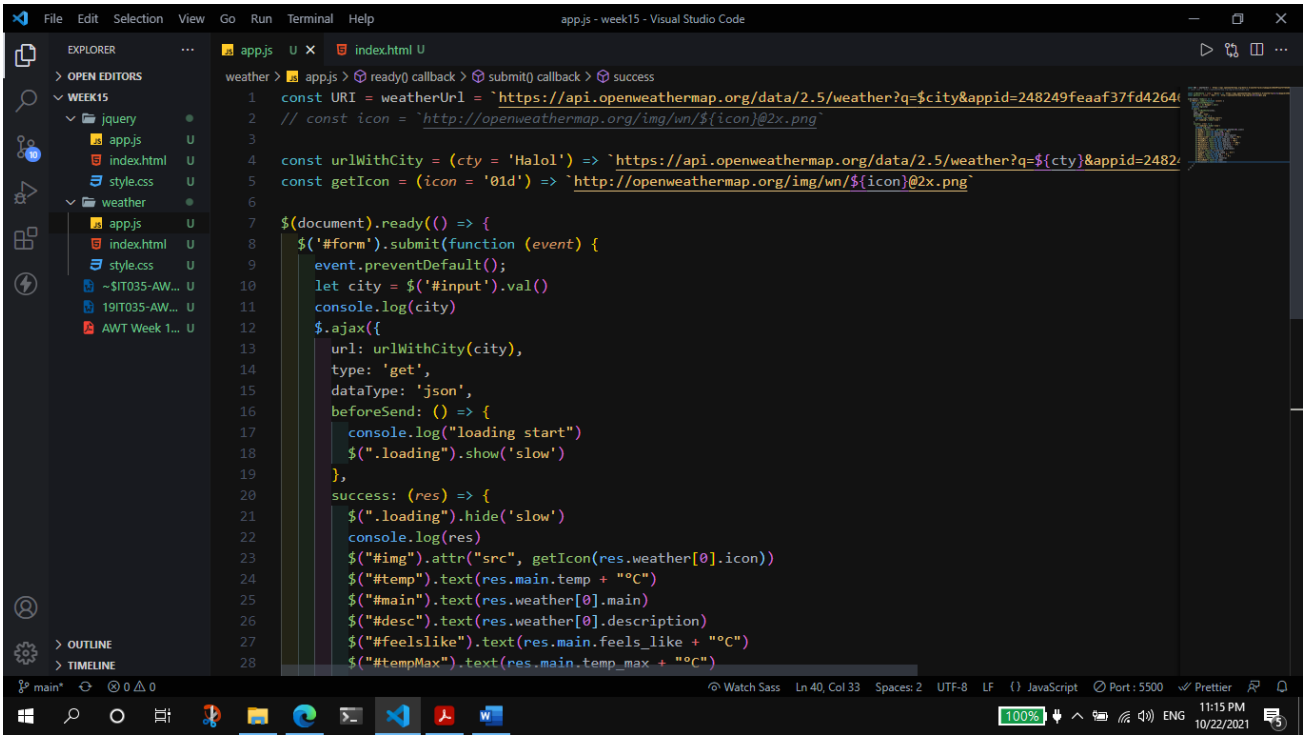


```
    <div class="main-weather">
      <div class="icon"><img src="http://openweathermap.org/img/wn/01d@2x.png" alt="" id="img"></div>
      <h1 class="temperature" id="temp">
        -
      </h1>
      <h2 class="h2" id="main">
        -
      </h2>
      <h3 class="h3" id="desc">
        -
      </h3>
      <div class="other-details">
        <p class="property">Feels Like: <span class="value" id="feelslike">
          -
        </span></p>
        <p class="property">MAX Temperature: <span class="value" id="tempMax">
          -
        </span></p>
        <p class="property">MIN Temperature: <span class="value" id="tempMin">
          -
        </span></p>
        <p class="property">Pressure: <span class="value" id="pressure">
          -
        </span></p>
        <p class="property">Humidity: <span class="value" id="humidity">
          -
        </span></p>
        <p class="property">Sea Level: <span class="value" id="seaLevel">
          -
        </span></p>
        <p class="property">Ground Level: <span class="value" id="grndLevel">
          -
        </span></p>
        <p class="property">Visiblity: <span class="value" id="vis">
          -
```

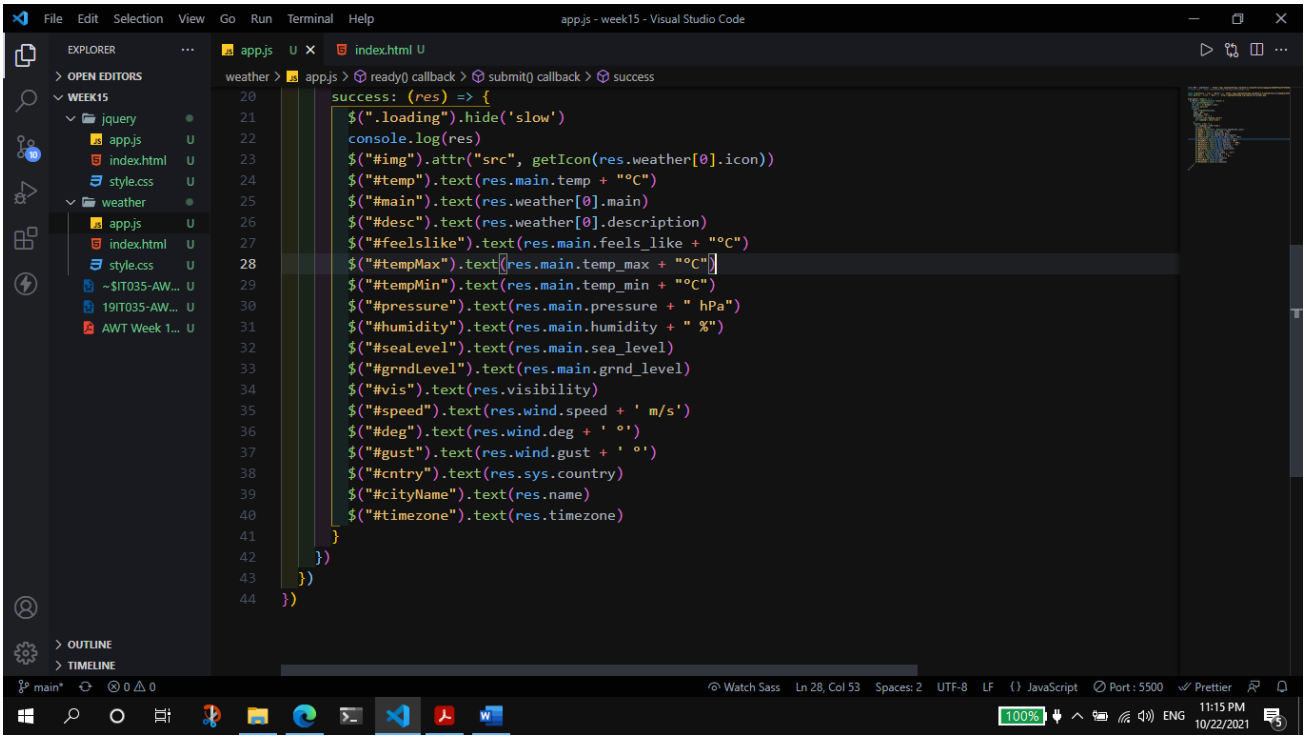


```
<div class="wind-container">
  <div class="other-details">
    <p class="property">Speed: <span class="value" id="speed">
      -
      </span></p>
    <p class="property">Deg: <span class="value" id="deg">
      -
      </span></p>
    <p class="property">Gust: <span class="value" id="gust">
      -
      </span></p>
  </div>
</div>
<div class="city-info">
  <div class="other-details">
    <p class="property">Country: <span class="value" id="cntry">
      -
      </span></p>
    <p class="property">City: <span class="value" id="cityName">
      -
      </span></p>
    <p class="property">Timezone: <span class="value" id="timezone">
      <- </span>
    </p>
  </div>
</div>
</div>
</main>

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script src="app.js"></script>
</body>

</html>
```

JS (JQuery):

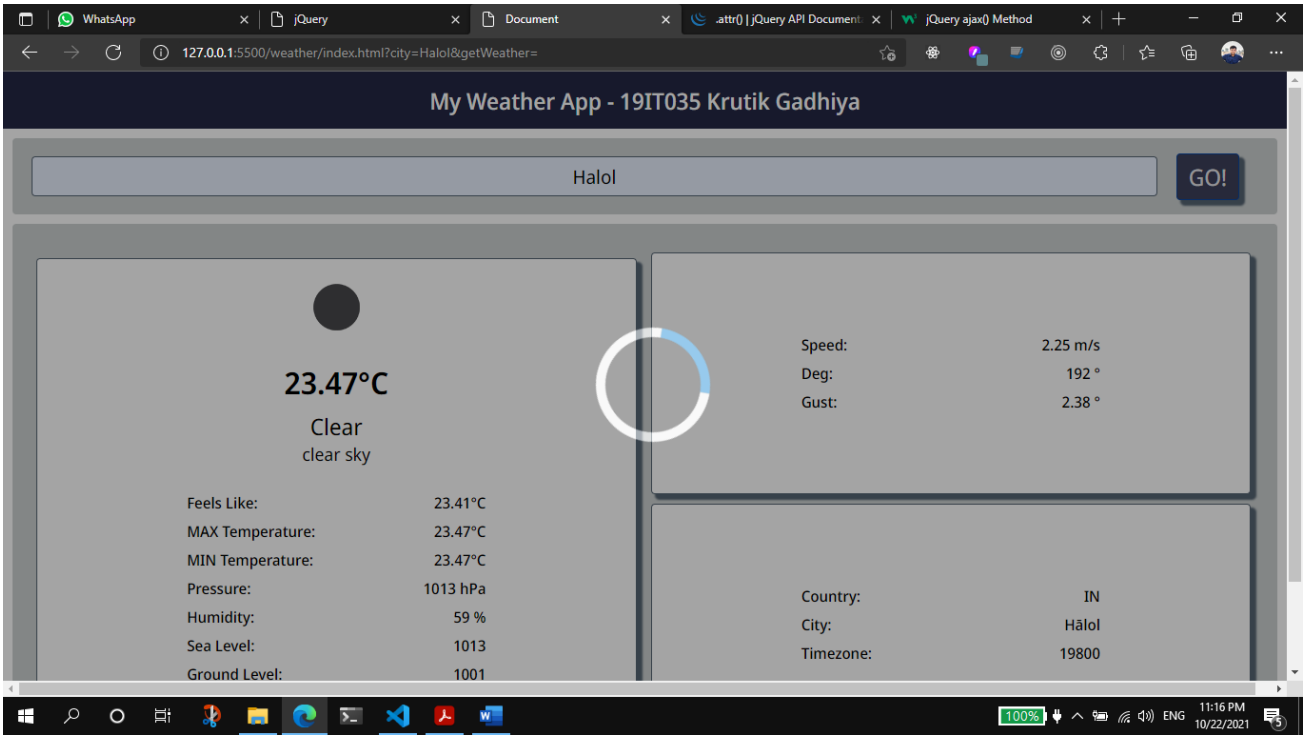


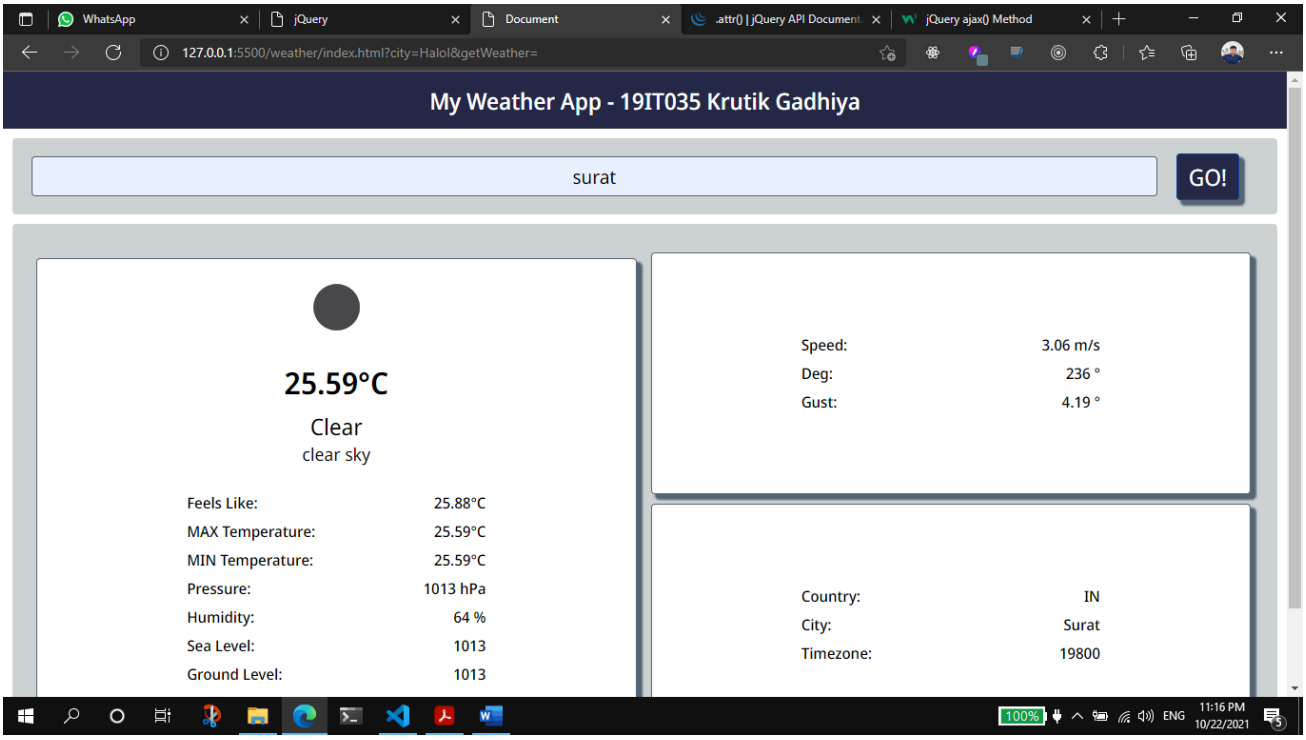
```
const URI = weatherUrl = `https://api.openweathermap.org/data/2.5/weather?q=$city&appid=248249feaaf37fd4264
// const icon = `http://openweathermap.org/img/wn/${icon}@2x.png`

const urlWithCity = (cty = 'Halol') => `https://api.openweathermap.org/data/2.5/weather?q=${cty}&appid=2482
const getIcon = (icon = '01d') => `http://openweathermap.org/img/wn/${icon}@2x.png`

$(document).ready(() => {
  $('#form').submit(function (event) {
    event.preventDefault();
    let city = $('#input').val()
    console.log(city)
    $.ajax({
      url: urlWithCity(city),
      type: 'get',
      dataType: 'json',
      beforeSend: () => {
        console.log("loading start")
        $(".loading").show('slow')
      },
      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")
```



```
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:




WhatsApp
jQuery
Document
.attr() | jQuery API Document
jQuery ajax() Method
127.0.0.1:5500/weather/index.html?city=Halol&getWeather=
My Weather App - 19IT035 Krutik Gadhiya
surat
GO!
25.59°C
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
100%
ENG
11:16 PM
10/22/2021