SKILL LYNC

A Internship Project

Report On

WEATHER APP

Submitted by,

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INTRODUCTION

This is my portfolio project which I demonstrates with my abilities in building a completely responsive front-end project Website name as “Weather App” using Rapid Api Client Live Server and its Online Websites And With My programming Skills such as HTML5, CSS3, Bootstrap, JavaScript.

Required Software Components :

Application Tool : Visual Studio Code

Extention : Rapid Api Client Server , Live Server.

Steps For Project :

1. Installation of V.S.Code

2.Installation of Rapid Api Client Servers Extention in V.S.Code and Live Server Extention

3.Create HTML File i.e Index.html

4. Add Bootstrap in Index.html file using Bootstrap Website.

5.Create JavaScript File i.e script.js

6.Put Api-Ninjas Free Weather API JavaScript Fetch Data in Our JavaScript script.js file using Rapid Api’s Online Website

7.Design Weather App’s Overall Website by Adding Headers , Body , Footer.

Rapid API Client for Visual Studio Code

RapidAPI Client is a full-featured HTTP client that lets you test and describes the APIs you build or consume. Designed to work with your VS Code themes, RapidAPI Client makes composing requests, inspecting responses, generating code, and types for application development simple and intuitive.

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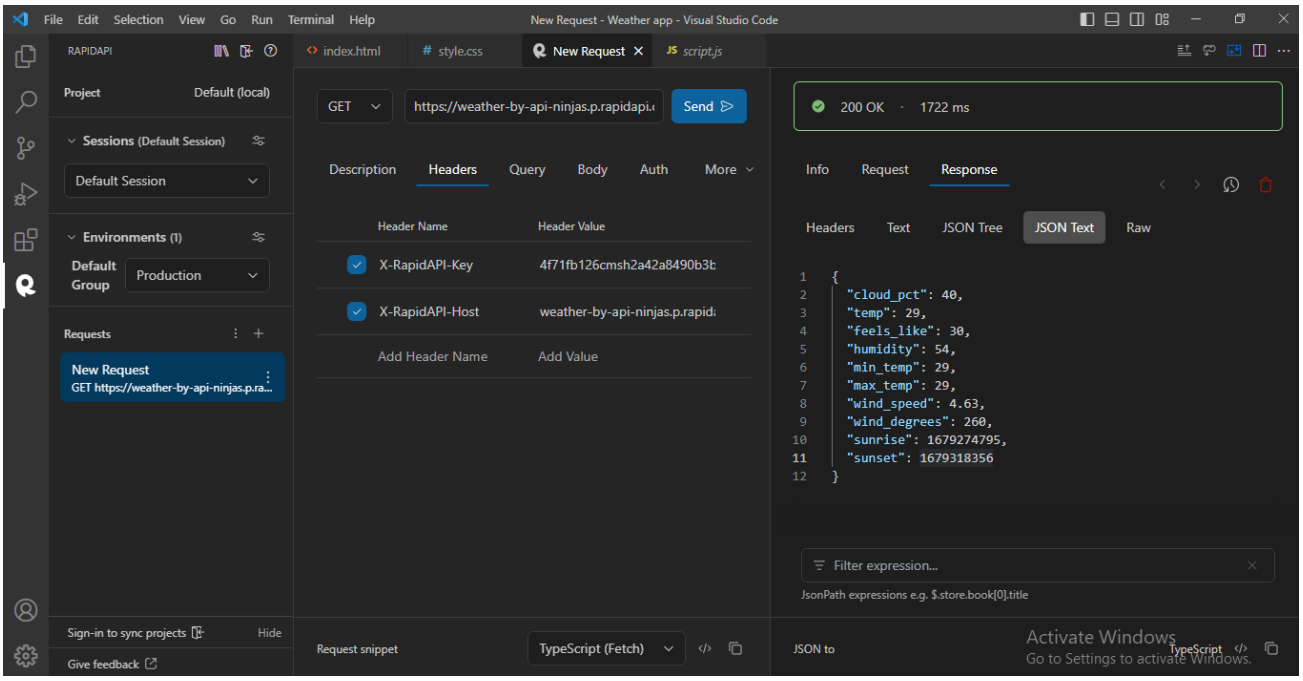
Why Rapid API Client for Visual Studio Code?

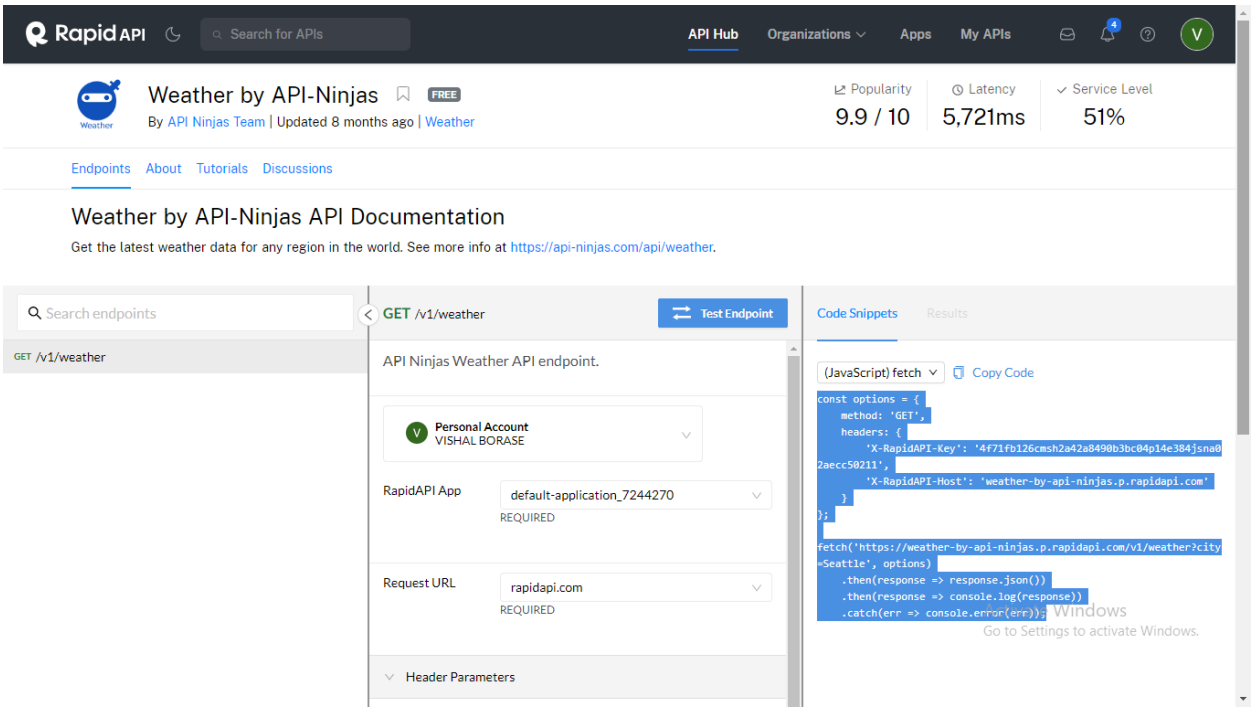
The Rapid API Client for VS Code brings API testing to your favorite code editor, so you can test APIs no matter where you are in the development cycle. You can compose requests, inspect server responses, generate client code, and export API definitions from our interface without ever switching context to another application. Beyond being a fantastic stand-alone client in VS Code, this extension establishes a bidirectional link between VS Code and Rapid API so that users with an existing RapidAPI.com or Paw user account can log in and sync existing projects automatically.

Rapid API Window in Visual Studio Code :



Weather by API-Ninjas

The API Ninjas Weather API provides the latest weather information for any city or geographic location in the world.



Rapid Api Client Server Data :

Input Data :

Link : https://weather-by-api-ninjas.p.rapidapi.com/v1/weather?city=

'X-RapidAPI-Key': '4f71fb126cmsh2a42a8490b3bc04p14e384jsna02aecc50211',

'X-RapidAPI-Host': 'weather-by-api-ninjas.p.rapidapi.com'

Output Data Of Weather : Ex. City : Mumbai

Weather For Mumbai :-


```
{
  "cloud_pct": 40,
  "temp": 29,
  "feels_like": 30,
  "humidity": 54,
  "min_temp": 29,
  "max_temp": 29,
  "wind_speed": 4.63,
  "wind_degrees": 260,
  "sunrise": 1679274795,
  "sunset": 1679318356
}
```

Programming Language and Technology :

HTML :

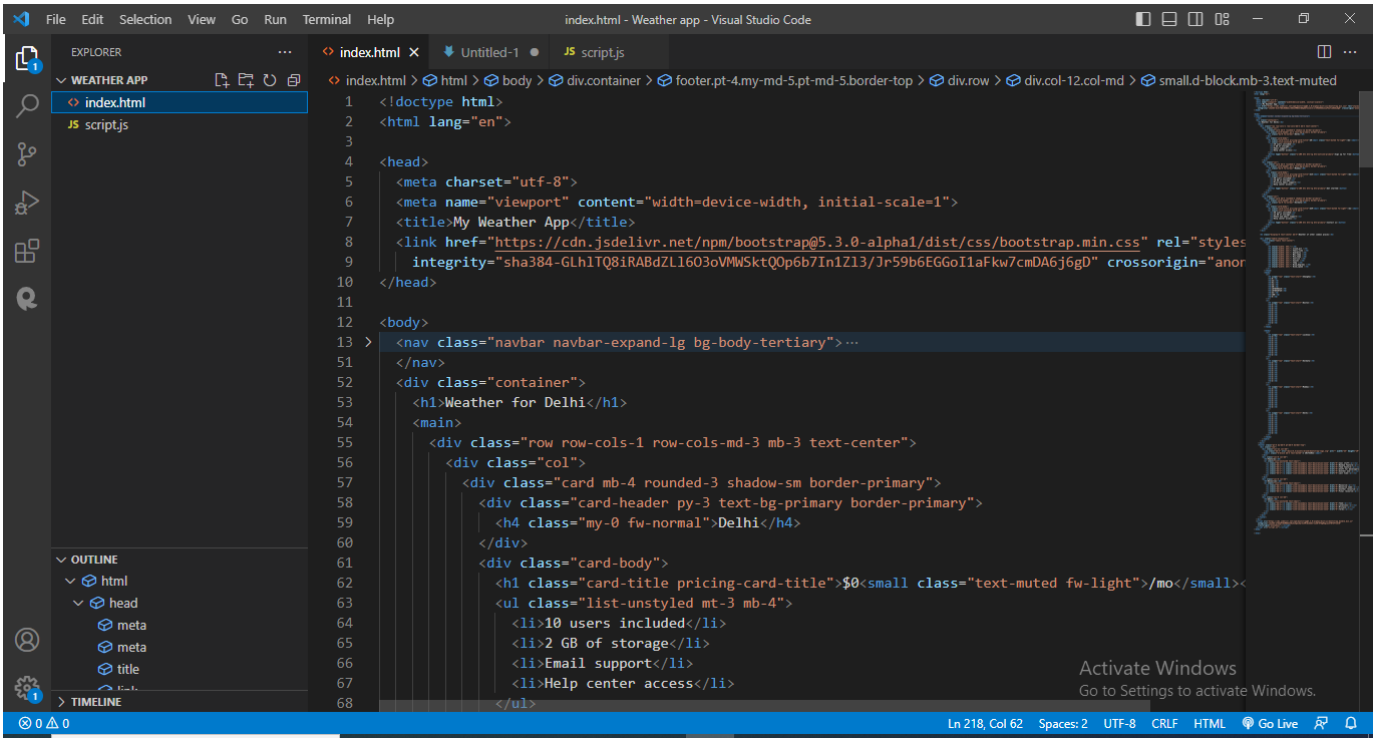
HTML is an initialism for "Hyper Text Markup Language". It is the language of the web. It is used to create websites.

It is used to define a page layout, meaning it is a barebone page structure.HTML is used for making pages of the website also called webpages that we see on the internet It consists of a set of tags. This set of tags is written in HTML Document.

".html" or ".htm" is the extension.There are so many versions of HTML but HTML5 is the latest version

HTML CODE OF WEATHER APP :

Index.html



Added Bootstrap into index.html :

Example Of Bootstrap :

Bootstrap's CSS and JS. Place the <link> tag in the <head> for our CSS, and the <script> tag for our JavaScript bundle (including Popper for positioning dropdowns, poppers, and tooltips) before the closing </body>.

```
<!doctype html>

<html lang="en">

  <head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Bootstrap demo</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
crossorigin="anonymous">

  </head>

  <body>

    <h1>Hello, world!</h1>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBTkF7CXvN"
crossorigin="anonymous"></script>

  </body>

</html>
```

JAVASCRIPT :

JavaScript is the Programming Language for the Web. JavaScript can update and change both HTML and CSS. JavaScript can calculate, manipulate and validate data.

Or JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.

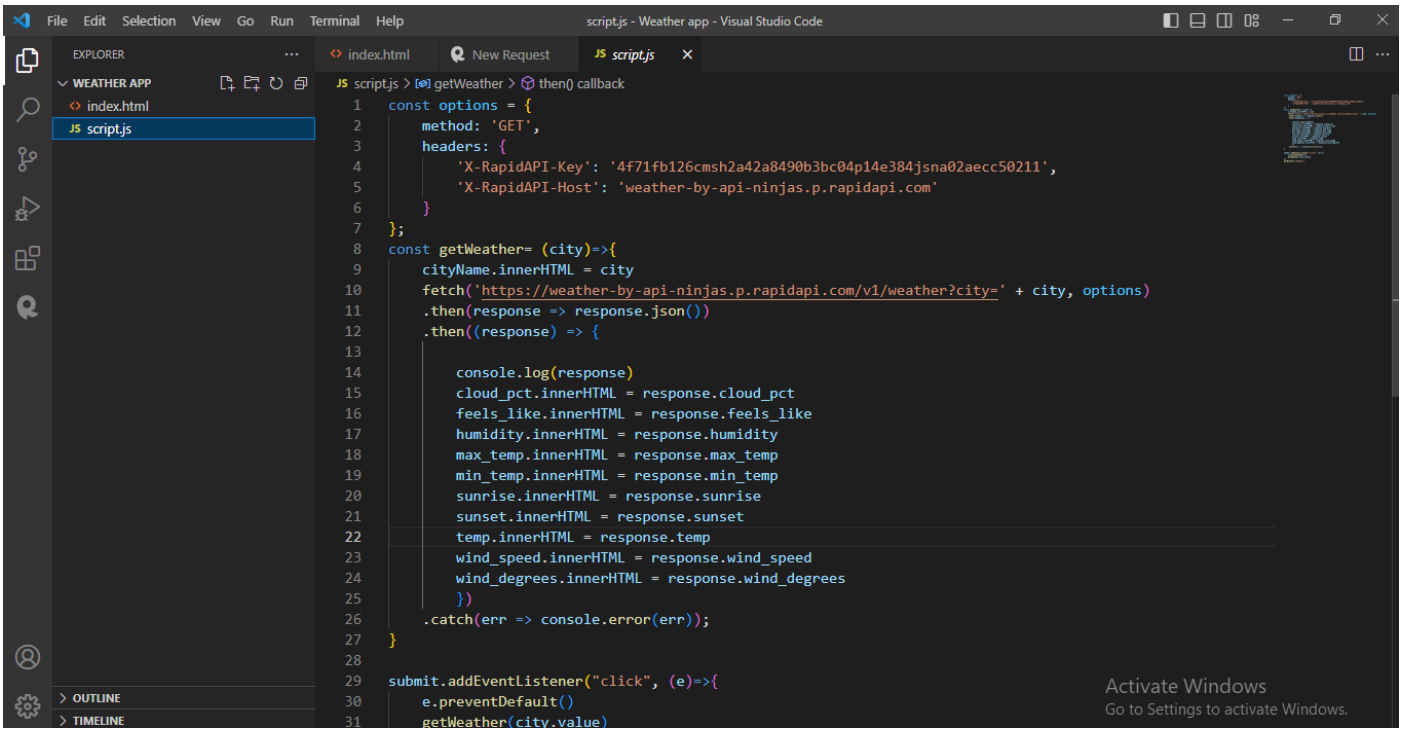
```
const options = {
	method: 'GET',
	headers: {
'X-RapidAPI-Key': '4f71fb126cmsh2a42a8490b3bc04p14e384jsna02aecc50211',
		'X-RapidAPI-Host': 'weather-by-api-ninjas.p.rapidapi.com'
	}
};
const getWeather= (city)=>{
cityName.innerHTML = city
fetch('https://weather-by-api-ninjas.p.rapidapi.com/v1/weather?city=' + city, options)
	.then(response => response.json())
	.then((response) => {
		console.log(response)
		cloud_pct.innerHTML = response.cloud_pct
		feels_like.innerHTML = response.feels_like
		humidity.innerHTML = response.humidity
		max_temp.innerHTML = response.max_temp
		min_temp.innerHTML = response.min_temp
		sunrise.innerHTML = response.sunrise
		sunset.innerHTML = response.sunset
		temp.innerHTML = response.temp
```

```
            wind_speed.innerHTML = response.wind_speed
            wind_degrees.innerHTML = response.wind_degrees
        })
    .catch(err => console.error(err));
}
```

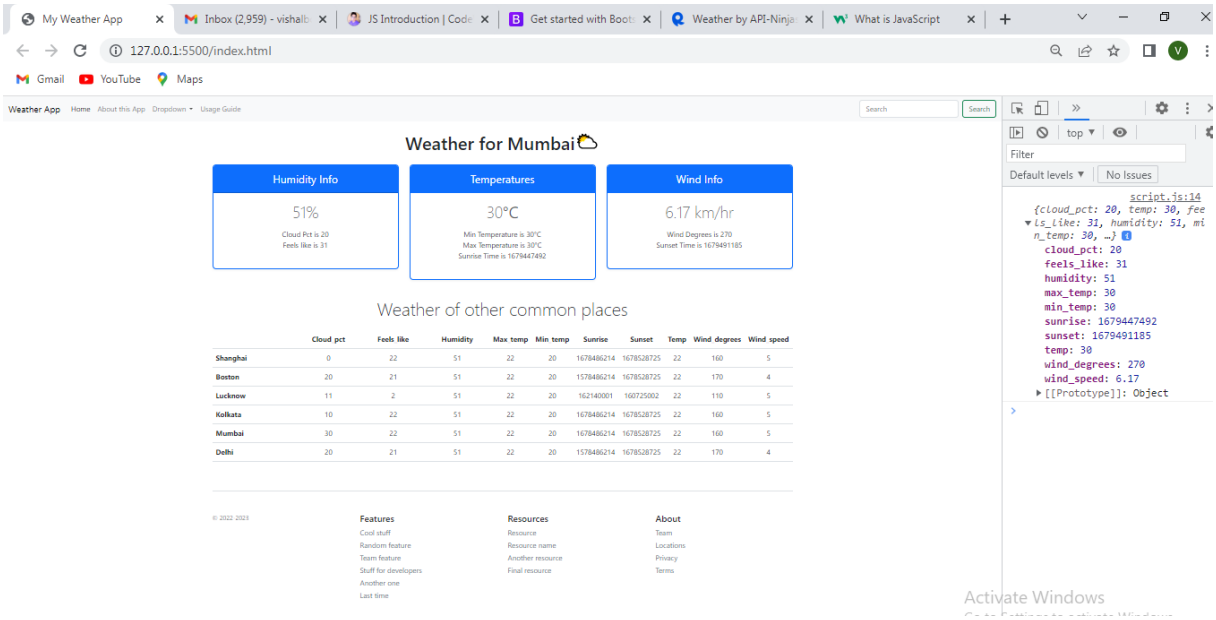
// Set Default Location When you going to website its shows by Default these Location Ex. Mumbai

```
submit.addEventListener("click", (e)=>{
    e.preventDefault()
    getWeather(city.value)
})
getWeather("Mumbai")
```

Script.js

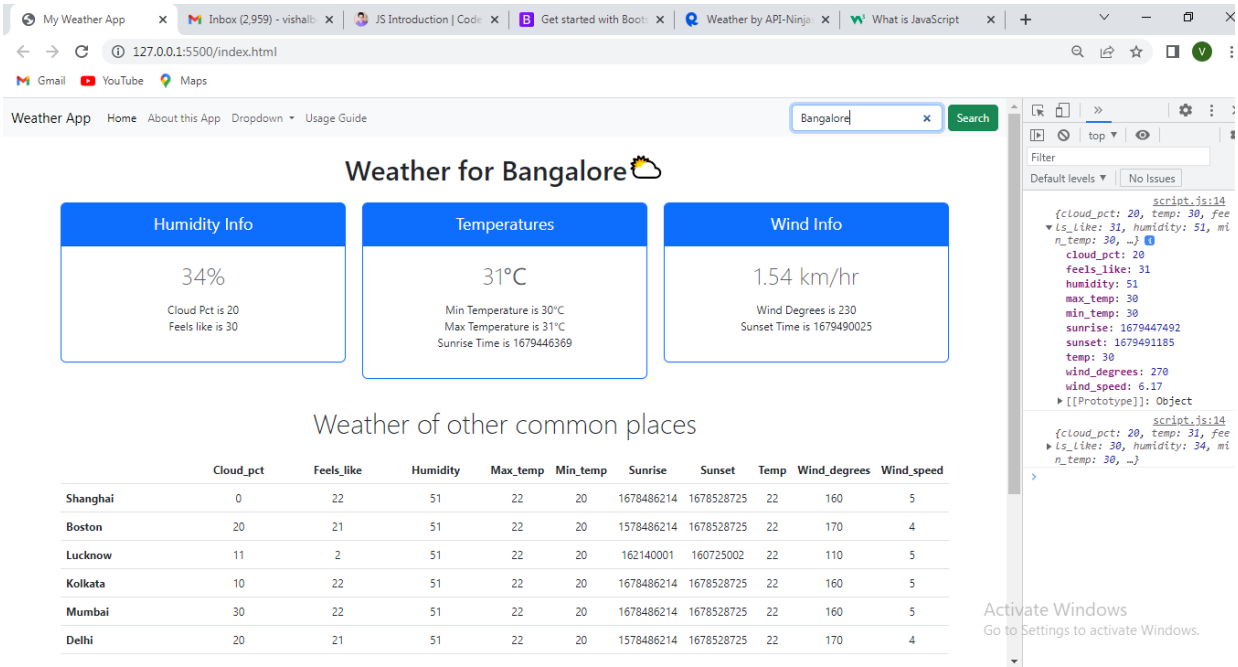


WEATHER APP WEBSITE OUTPUT :



Lets Search Another Locations Weather : Ex. Bangalore

- **Put in Search Bar : Bangalore**



Thank You ..