

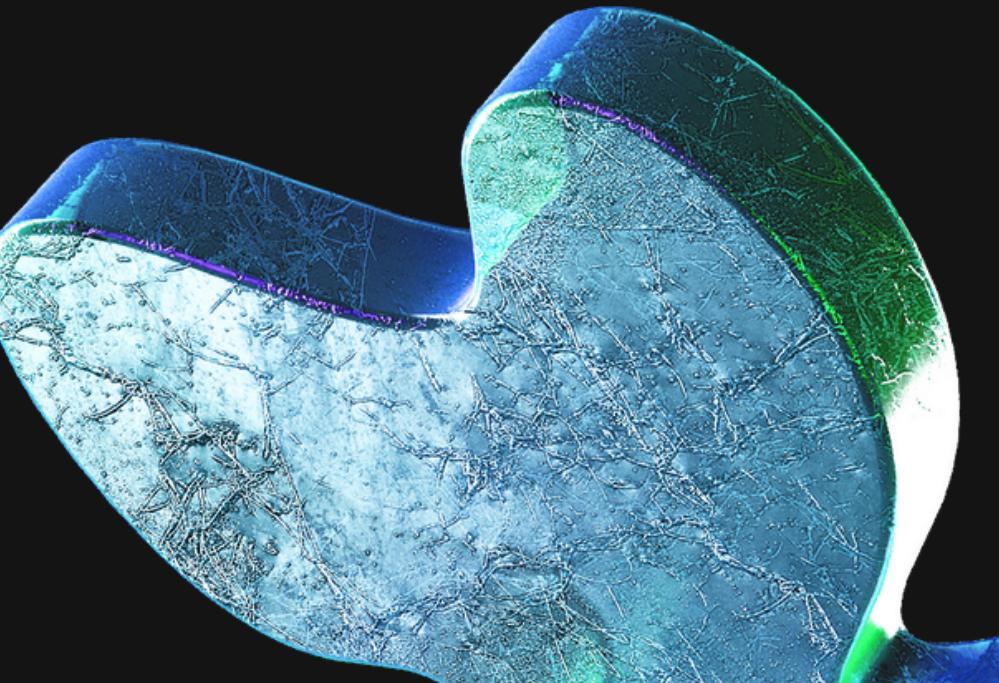
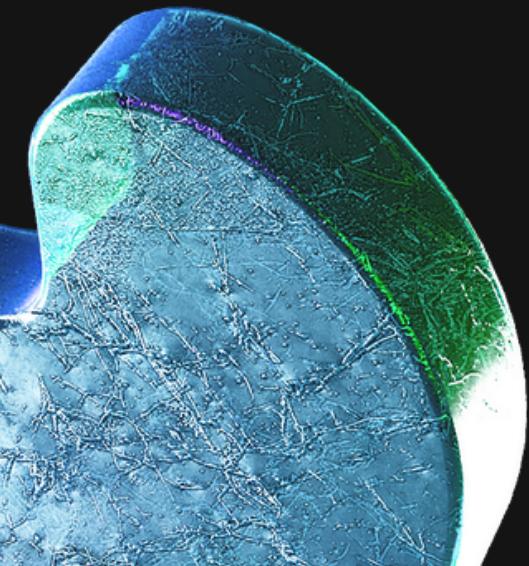
>> MINI PROJECT <<

Utility ToolKit

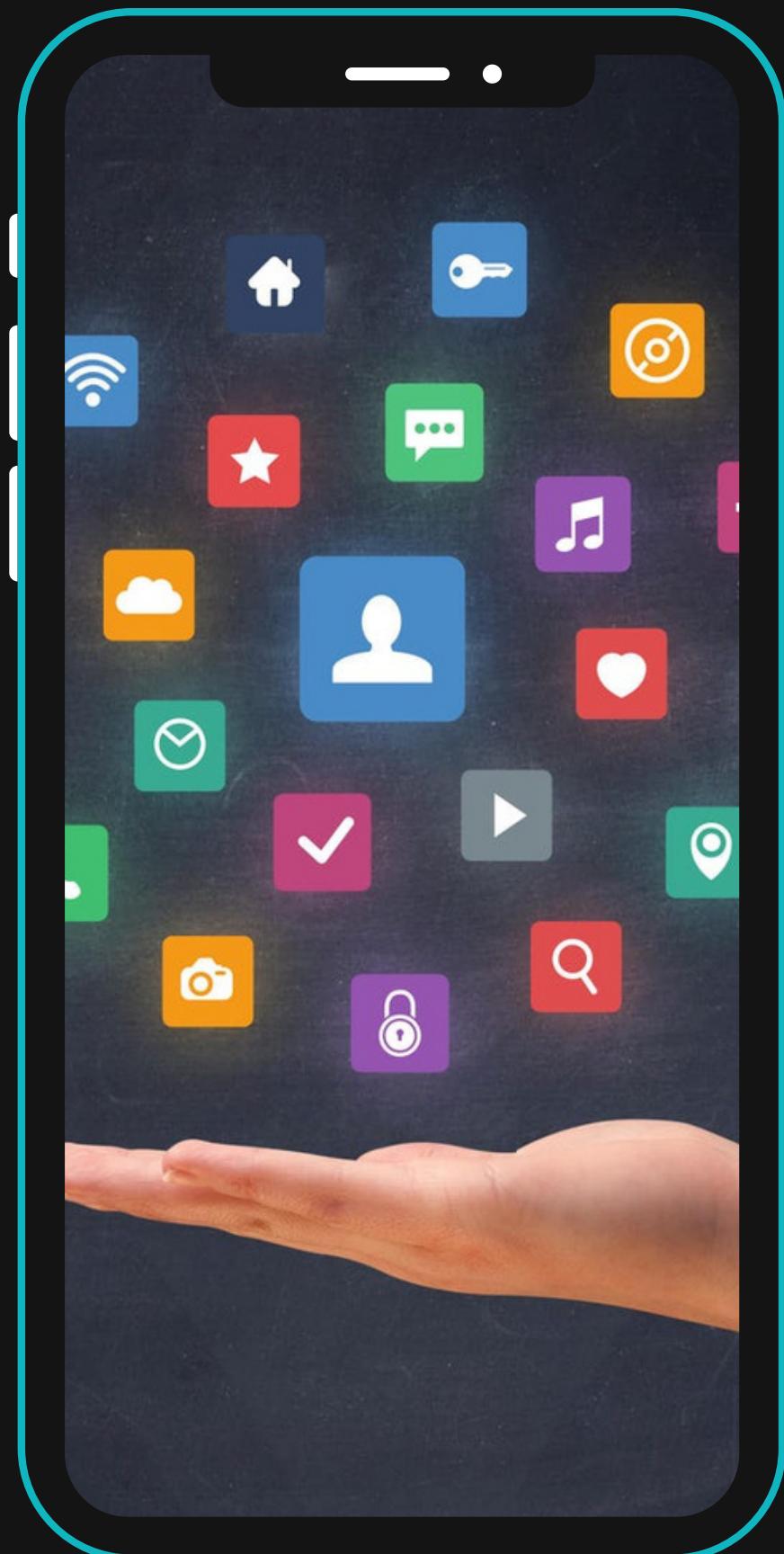
Presented by-

Shiv
Saksham
Priyanshu

Cse-(Ai/ML)



What is utility toolkit?



- › A toolkit is a collection of authoritative and adaptable resources for front-line staff that enables them to learn about an issue and identify approaches for addressing them.
- › In our toolkit we are providing four basic utilities i.e. weather app, calculator ,unit converter and world clock.
- › These all utilities that we are providing is used by everyone atleast once a day so you can do that with our toolkit.



Technology used:-



The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.



Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML.



JavaScript, often abbreviated as JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS.

UTILITIES WE ARE PROVIDING



WEATHER FORECASTER

HTML CALCULATOR

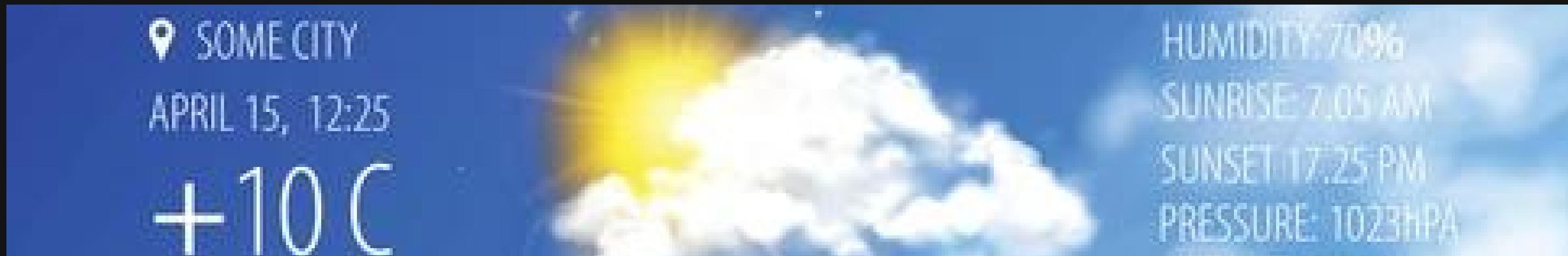
WORLD CLOCK

UNIT CONVERTOR

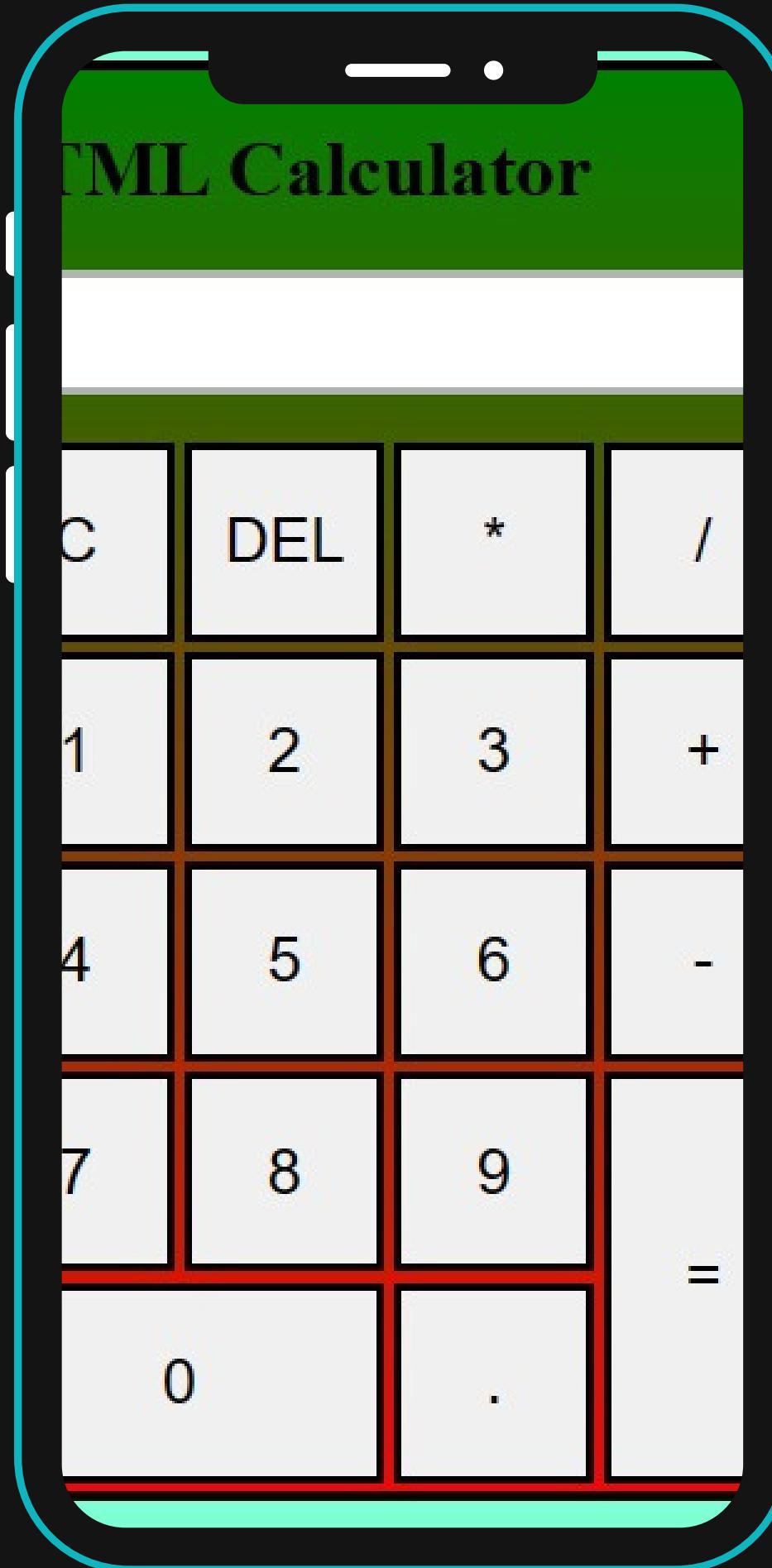


WEATHER FORECASTER

- Weather forecasters are primarily responsible for analyzing weather data and formulating weather reports based on their analysis.
- These reports can include forecasts of temperature, precipitation, and wind speed, as well as the time these conditions are supposed to occur.
- For example, some weather forecasters perform on-air broadcasts for television and radio.



CALCULATOR



- HTML calculator is used for performing basic mathematical operations like Addition, subtraction, multiplication, and division.
- To design the basic calculator, we have used HTML, CSS, and JavaScript.
- HTML is used to design the basic structure of the calculator.



WORLD CLOCK

The World Clock in Alexanderplatz displays 146 cities in all 24 time zones on its head

It could also be a picture map of the world with embedded analog or digital time-displays.

A moving circular map of the world, rotating inside a stationary 24-hour dial ring.

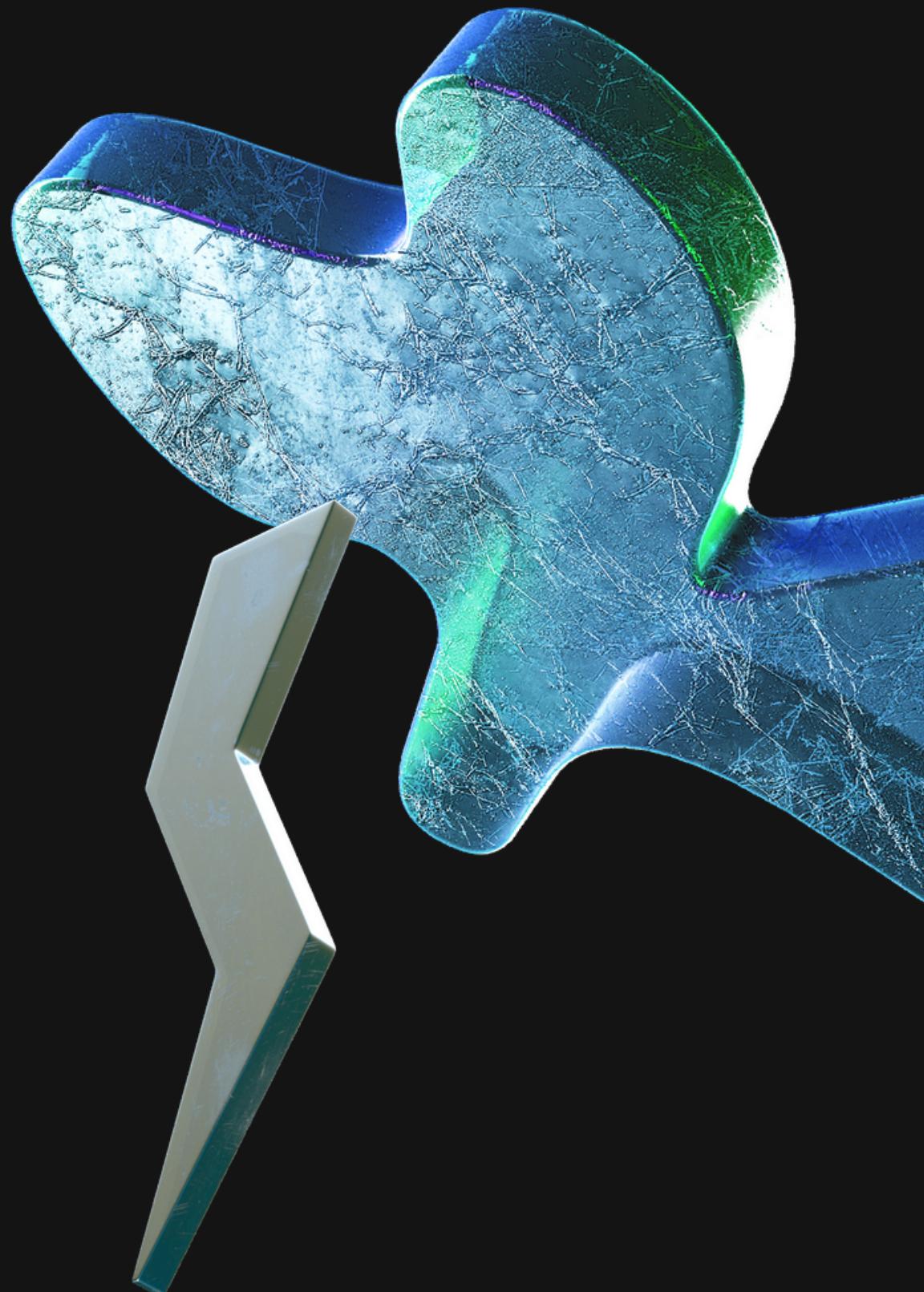


VectorStock®

VectorStock.com/436373

UNIT CONVERTER

- The method of converting the measures of length from one unit to another is called length conversion.
- In the metric system, units for length are kilometres (km), metres (m), centimetres (cm), and so on.



SOURCE CODE

```
1  const options = {
2    method: 'GET',
3    headers: {
4      'X-RapidAPI-Key': '86c48699a7mshea90c738d0efb9ap17c137jsn8c68594d7ea7',
5      'X-RapidAPI-Host': 'weather-by-api-ninjas.p.rapidapi.com'
6    }
7  };
8  const getWeather = (city)=>{
9    cityName.innerHTML = city
10   fetch('https://weather-by-api-ninjas.p.rapidapi.com/v1/weather?city=' +city, options)
11   .then(response => response.json())
12   .then((response) => {
13     console.log(response)
14     //cloud_pct.innerHTML = response.cloud_pct
15     temp.innerHTML = response.temp
16     temp2.innerHTML = response.temp
17     feels_like.innerHTML = response.feels_like
18     humidity.innerHTML = response.humidity
19     humidity2.innerHTML = response.humidity
20     min_temp.innerHTML = response.min_temp
21     max_temp.innerHTML = response.max_temp
22     wind_speed.innerHTML = response.wind_speed
23     wind_speed2.innerHTML = response.wind_speed
24     wind_degrees.innerHTML = response.wind_degrees
25     sunrise.innerHTML = response.sunrise
26     sunset.innerHTML = response.sunset
27   })
28   .catch(err => console.error(err));
29 }
30
31 submit.addEventListener("click", (e)=>{
32   e.preventDefault()
33   getWeather(city.value)
34 })
35
36 getWeather("Delhi")
```

```
1 <html>
2   <head>
3     <script type="text/javascript" src="script.js">
4     </script>
5     <link rel="stylesheet" href="styles.css">
6   </head>
7   <body>
8     <div class=main>
9       <h1>HTML Calculator</h1>
10      <form name="form">
11        <input name="textinput" class="textinput" />
12      </form>
13      <table>
14        <tr>
15          <td><button onclick="clean()">C</button></td>
16          <td><button onclick="back()">DEL</button></td>
17          <td><button onclick="insert('*')">*</button></td>
18          <td><button onclick="insert('/')">/</button></td>
19        </tr>
20        <tr>
21          <td><button onclick="insert(1)">1</button></td>
22          <td><button onclick="insert(2)">2</button></td>
23          <td><button onclick="insert(3)">3</button></td>
24          <td><button onclick="insert('+')">+</button></td>
25        </tr>
26        <tr>
27          <td><button onclick="insert(4)">4</button></td>
28          <td><button onclick="insert(5)">5</button></td>
29          <td><button onclick="insert(6)">6</button></td>
30          <td><button onclick="insert('-')">-</button></td>
31        </tr>
32        <tr>
33          <td><button onclick="insert(7)">7</button></td>
34          <td><button onclick="insert(8)">8</button></td>
35          <td><button onclick="insert(9)">9</button></td>
36          <td rowspan=2><button style="height: 165" onclick="calculate()">=</button></td>
37        </tr>
38        <tr>
39          <td colspan=2><button style="width:164" onclick="insert(0)">0</button></td>
40          <td><button onclick="insert('.')">. </button></td>
41        </tr>
42      </table>
43      </div>
44    </body>
45  </html>
46
```

```
5   overflow: hidden;
6 }
7 & .main-container{
8   background-color: brown;
9   width: fit-content;
10  display: flex;
11  flex-direction: column;
12  margin: auto;
13  margin-top: 200px;
14  padding: 20px 40px;
15  border-radius: 5px;
16 }
17 & .heading{
18   align-self: center;
19   margin-bottom: 40px;
20 }
21 & .btn-container{
22   display: flex;
23   flex-direction: column;
24 }
25 & button{
26   width: 400px;
27   margin-bottom: 20px;
28   height: 50px;
29   border-radius: 20px;
30   border: none;
31   cursor: pointer;
32 }
33 & button:hover{
34   background-color: lightblue;
35 }
36 & a{
37   text-decoration: none;
38   color: black;
39   font-size: 14px;
40   transition: .5s;
41 }
```

SOURCE CODE

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Unit Converter</title>
8      <link rel="preconnect" href="https://fonts.gstatic.com">
9      <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">
10     <link rel="stylesheet" href="./style.css">
11 </head>
12
13 <body>
14     <div class="container">
15         <h2 class="title">Unit Converter</h2>
16         <div class="input-container">
17             <label for="millimeter">Millimeter</label>
18             <input type="number" id="millimeter" placeholder="Millimeter"
19                 oninput="millimeter(parseFloat(this.value))" />
20         </div>
21         <div class="input-container">
22             <label for="centimeter">Centimeter</label>
23             <input type="number" id="centimeter" placeholder="Centimeter"
24                 onchange="centimeter(parseFloat(this.value))" />
25         </div>
26         <div class="input-container">
27             <label for="meter">Meter</label>
28             <input type="number" id="meter" placeholder="Meter" onchange="meter(parseFloat(this.value))" />
29         </div>
30         <div class="input-container">
31             <label for="kilometer">Kilometer</label>
32             <input type="number" id="kilometer" placeholder="Kilometer" onchange="kilometer(parseFloat(this.value))" />
33         </div>
34     </div>
35     <script src="script.js"></script>
36 </body>
37
38 </html>
```

```
1  <!doctype html>
2  <html lang="en">
3
4  <head>
5      <meta charset="utf-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1">
7      <title>Weather App</title>
8      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
9          integrity="sha384-GLhlTQ8iRABdZLl6O3oVMWsktQOp6b7In1zL3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
10     </head>
11
12     <body>
13         <nav class="navbar navbar-expand-lg bg-body-tertiary">
14             <div class="container-fluid">
15                 <a class="navbar-brand" href="#">Weather App</a>
16                 <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
17                     data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
18                     aria-label="Toggle navigation">
19                     <span class="navbar-toggler-icon"></span>
20                 </button>
21                 <div class="collapse navbar-collapse" id="navbarSupportedContent">
22                     <ul class="navbar-nav me-auto mb-2 mb-lg-0">
23                         <li class="nav-item">
24                             <a class="nav-link active" aria-current="page" href="#">Home</a>
25                         </li>
26                         <li class="nav-item">
27                             <a class="nav-link" href="#">Link</a>
28                         </li>
29                         <li class="nav-item dropdown">
30                             <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown"
31                                 aria-expanded="false">
32                             </a>
33                             <ul class="dropdown-menu">
34                                 <li><a class="dropdown-item" href="#">Delhi</a></li>
35                                 <li><a class="dropdown-item" href="#">Seattle</a></li>
36                                 <li><hr class="dropdown-divider"></li>
37                                 <li><a class="dropdown-item" href="#">Bangalore</a></li>
38                             </ul>
39                         </li>
40                         <li class="nav-item">
41                             <a class="nav-link disabled">Usage guide</a>
42                         </li>
43                     </ul>
44                     <form class="d-flex" role="search">
45                         <input id="city" class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
46                         <button class="btn btn-outline-success" type="submit" id="submit">Search</button>
47                     </form>
48                 </div>
49             </div>
50         </nav>
51
52         <div class="container">
53             <h1>Welcome to Weather App</h1>
54             <p>This app provides real-time weather information for various cities around the world. Enter a city name in the search bar above to get started.</p>
55             <div class="row">
56                 <div class="col-4">
57                     <h2>Current Weather</h2>
58                     <div>
59                         <h3>New York, NY</h3>
60                         <div>
61                             <strong>Temperature:</strong> 72°F<br/>
62                             <strong>Humidity:</strong> 55%<br/>
63                             <strong>Wind Speed:</strong> 10 mph<br/>
64                             <strong>UV Index:</strong> Low<br/>
65                             <strong>Cloud Cover:</strong> 30%<br/>
66                             <strong>Last Updated:</strong> 15 minutes ago</div>
67                         </div>
68                     </div>
69                 </div>
70                 <div class="col-4">
71                     <h2>5-Day Forecast</h2>
72                     <div>
73                         <table border="1">
74                             <thead>
75                                 <tr>
76                                     <th>Day</th>
77                                     <th>Temperature (F)</th>
78                                     <th>Condition</th>
79                                 </tr>
80                             </thead>
81                             <tbody>
82                                 <tr>
83                                     <td>Monday</td>
84                                     <td>75°F</td>
85                                     <td>Partly Cloudy</td>
86                                 </tr>
87                                 <tr>
88                                     <td>Tuesday</td>
89                                     <td>78°F</td>
90                                     <td>Cloudy</td>
91                                 </tr>
92                                 <tr>
93                                     <td>Wednesday</td>
94                                     <td>80°F</td>
95                                     <td>Partly Cloudy</td>
96                                 </tr>
97                                 <tr>
98                                     <td>Thursday</td>
99                                     <td>82°F</td>
100                                    <td>Sunny</td>
101                                </tr>
102                            </tbody>
103                        </table>
104                    </div>
105                </div>
106            </div>
107        </div>
108    </div>
109
110    <script src="script.js"></script>
111
112 </body>
113
114 </html>
```

OUTPUT

HTML Calculator

C DEL * /
1 2 3 +
4 5 6 -
7 8 9
0 . =

CK Home Link Dropdown ▾

Welcome to world clock

INDIA	United States	China
2:40:39 PM	1:10:39 AM	5:10:39 PM
More about this zone	More abot this zone	more abot this zone

Link Usage guide Search

Weather for Delhi

Temperatures
23°C
Temperature is 23
Min Temperature is 23
Max Temperature is 23

Humidity Info
33%
Wind Degree is 50
Feels Like 22
Humidity is 33

Sun Info
2.06Km/hr
Wind Speed is 2.06
Sunrise Time is 1674351820
Sunset Time is 1674390064

Search

Unit Converter

Millimeter	Millimeter
Centimeter	Centimeter
Meter	Meter
Kilometer	Kilometer

THANK YOU

