```html
<!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">
    <title>Weather App</title>
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/4.7.0/css/font-
awesome.min.css">
</head>
<body>

    <div class="container">
        <div class="current-info">

            <div class="date-container">
                <div class="time" id="time">
                    12:30 <span id="am-pm">PM</span>
                </div>
                <div class="date" id="date">
                    Monday, 25 May
                </div>

                <div class="others" id="current-weather-items">


                </div>
            </div>

            <div class="place-container">
                <div class="time-zone" id="time-zone"></div>
                <div id="country" class="country">IN</div>
            </div>
        </div>
        <div class="btn">
            <input type="text" id="cityVal" placeholder="Search City">
            <button class="search" type="submit"><i class="fa fa-search"></i></button>
        </div>

    </div>

    <div class="future-forecast">
        <div class="today" id="current-temp">
```

```html
            <img src="http://openweathermap.org/img/wn/10d@2x.png" alt="weather icon"
class="w-icon">
```

```html
            <div class="other">
                <div class="day">Monday</div>
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
            </div>
        </div>

        <div class="weather-forecast" id="weather-forecast">
            <div class="weather-forecast-item">
                <div class="day">Tue</div>
                <img  src="http://openweathermap.org/img/wn/10d@2x.png"  alt="weather
icon" class="w-icon">
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
            </div>
            <div class="weather-forecast-item">
                <div class="day">Wed</div>
                <img  src="http://openweathermap.org/img/wn/10d@2x.png"  alt="weather
icon" class="w-icon">
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
            </div>
            <div class="weather-forecast-item">
                <div class="day">Thur</div>
                <img  src="http://openweathermap.org/img/wn/10d@2x.png"  alt="weather
icon" class="w-icon">
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
</div>
            <div class="weather-forecast-item">
                <div class="day">Fri</div>
                <img  src="http://openweathermap.org/img/wn/10d@2x.png"  alt="weather
icon" class="w-icon">
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
            </div>
            <div class="weather-forecast-item">
                <div class="day">Sat</div>
                <img  src="http://openweathermap.org/img/wn/10d@2x.png"  alt="weather
icon" class="w-icon">
                <div class="temp">Night - 25.6&#176; C</div>
                <div class="temp">Day - 35.6&#176; C</div>
            </div>

        </div>
    </div>

    <script
src="https://cdnjs.cloudflare.com/ajax/libs/moment.js/2.29.1/moment.min.js"
integrity="sha512qTXRIMyZIFb8iQcfjXWCO8+M5Tbc38Qi5WzdPOYZHIlZpzBHG3L3by84BBBOiRGiEb7KK
tAOAs5qYdUiZiQNNQ
==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>
    <script src="script.js"></script>
```

```
</body>
</html>
```

Code CSS:

```css
*{
    box-sizing: border-box;
margin:0;     padding:0;
}
 body{     background:url("pexels-jaime-reimer-
2662116.jpg");    background-repeat: no-repeat;
background-size:cover;      overflow:hidden;
height: 100vh;      font-family:Arial, Helvetica, sans-
serif;
}

.container{
padding: 20px 70px;
color:#fff;
}

.current-info{    display: flex;
justify-content: space-between;
flex-wrap: wrap;
}
.date-container{     font-
weight: 100;
}
.date-container .time{      font-
size: 70px;
}

.date-container #am-pm{
font-size:         30px;
margin-left: 20px;
}

.date-container .date{      font-
size: 30px;
}

.place-container{     text-
align: end;
}

.place-container .time-zone{
font-size: 30px;       font-
weight: 100;
```

```css
}

.place-container .country{
font-size: 12px;     font-
weight: 700;
}

.current-info .others{     display:
flex;     flex-direction: column;
background: rgba(24,24,27, 0.6);
padding:20px;     border-radius:
10px;     margin: 10px 0;
    border: 1px solid #eee;
}

.current-info .others .weather-item{
display: flex;     justify-content:
space-between; }


.future-forecast{     background:
rgba(24,24,27,0.8);     padding:
25px;     position: fixed;
bottom: 0;     display: flex;
color:white;     width: 100%;
align-items: center;     justify-
content: center;     overflow-y:
hidden;
}

.future-forecast .today{
display: flex;     align-items:
center;     justify-content:
center;     border: 1px solid
#eee;     border-radius: 10px;
padding:15px;     padding-
right: 40px;     border-radius:
10px;     background:
rgba(0,0,0,0.2)
}

.future-forecast .today .day{
padding: 5px 15px;     background:
#3c3c44;     border-radius: 50px;
text-align: center;
}
```

```css
.future-forecast .today .temp{
font-size: 18px;      padding-
top: 15px;
}

.future-forecast .weather-forecast{
display: flex;
}

.weather-forecast .weather-forecast-item{
display: flex;      flex-direction:
column;      align-items: center;
justify-content: center;      margin: 0
10px;      border: 1px solid #eee;
padding: 15px;      border-radius: 10px;
background: rgba(0,0,0,0.2)
}

.weather-forecast .weather-forecast-item .day{
padding: 5px 15px;      background: #3C3C44;
border-radius: 50px;      text-align: center;
}

.weather-forecast .weather-forecast-item .temp{
font-weight: 100;      font-size: 12px;
}


@media only screen and  (max-width:730px){

    .container{
padding: 20px;
    }

    .future-forecast{            justify-
content: start;          align-items:
none;          overflow-y: scroll;
    }

    .future-forecast       .today        .temp{
font-size: 16px;
    }

    .date-container              .time{
font-size: 50px;
    }
```

```css
    .date-container                #am-pm{
font-size: 20px;
    }

    .date-container                .date{
font-size: 20px;
    }

    .place-container{
text-align: end;            margin-
top: 15px;
    }

    .place-container               .time-zone{
font-size: 20px;
    }

    .current-info            .others{
padding: 12px;
    }

    .current-info    .others    .weather-item{
font-size: 14px;
    }

}

@media only screen and (max-width: 1400px){
    .future-forecast{          justify-
content: start;          align-items:
none;          overflow-x: scroll;
    }
} .search{      width:
28px;      height: 28px;
border-radius: 4px;
} .btn{     text-align:
center;     margin-top:
5px;
}
.btn input{      border-
radius: 4px;      padding:
4px;      padding-
left:8rem;      border-
style:groove;      width:
20rem;
}
.search:hover{          cursor:
pointer;      background-color:
dimgray;
```

```
}
.weather-forecast-item .temp{      padding-top: 4px;
}
```

Code JavaScript:

```
const timeEl = document.getElementById('time'); const dateEl =
document.getElementById('date'); const currentWeatherItemsEl =
document.getElementById('current-weather-items'); const timezone =
document.getElementById('time-zone'); const countryEl =
document.getElementById('country'); const weatherForecastEl =
document.getElementById('weather-forecast'); const currentTempEl =
document.getElementById('current-temp'); let city;

const days = ['Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday',
'Saturday'] const months = ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun', 'Jul', 'Aug',
'Sep', 'Oct', 'Nov', 'Dec'];

const API_KEY ='f54ba88d21761404a9ac3dc338244863';

setInterval(() => {      const time = new Date();
const month = time.getMonth();      const date =
time.getDate();      const day = time.getDay();      const
hour = time.getHours();      const hoursIn12HrFormat =
hour >= 13 ? hour %12: hour      const minutes =
time.getMinutes();      const ampm = hour >=12 ? 'PM' :
'AM'
    timeEl.innerHTML = (hoursIn12HrFormat < 10? '0'+hoursIn12HrFormat
:
hoursIn12HrFormat) + ':' + (minutes < 10? '0'+minutes: minutes)+ ' ' + `<span
id="ampm">${ampm}</span>`

    dateEl.innerHTML = days[day] + ', ' + date+ ' ' + months[month]
}, 1000); let flag=false;
document.querySelector(".search").addEventListener("click",function(){     flag=true;
let city =document.getElementById("cityVal").value;          document.
getElementById('cityVal'). value =""
fetch(`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${API_K EY}`)
        .then(res => res.json()).then(data => {
let lat = data.coord.lat;          let lon =
data.coord.lon;          getDatafor7days(lat,
lon,city);              })
```

```javascript
        })
const getDatafor7days = async (lat, lon,city) => {

fetch(`https://api.openweathermap.org/data/2.5/onecall?lat=${lat}&lon=${lon}&exclu
de=hourly,minutely&units=metric&appid=${API_KEY}`)     .then(res =>
res.json()).then(data => {         data.timezone=city;         showWeatherData(data);
        })
    }; if(!flag){
console.log(flag);
getWeatherData();
}


function getWeatherData () {
            let latitude =
28.7041;        let
longitude=77.1025;;

fetch(`https://api.openweathermap.org/data/2.5/onecall?lat=${latitude}&lon=${l
ongitude}&exclude=hourly,minutely&units=metric&appid=${API_KEY}`).then(res            =>
res.json()).then(data => {

data.timezone="Delhi";
showWeatherData(data);
        })
}


function showWeatherData (data){    console.log(data);     let {humidity,
pressure, sunrise, sunset, wind_speed} = data.current;

    timezone.innerHTML           =           data.timezone;
countryEl.innerHTML = data.lat + 'N ' + data.lon+'E'
currentWeatherItemsEl.innerHTML =
    `<div class="weather-item">
<div>Humidity</div>
        <div>${humidity}%</div>
    </div>
    <div class="weather-item">
<div>Pressure</div>
        <div>${pressure}</div>
</div>
    <div class="weather-item">
        <div>Wind Speed</div>
        <div>${wind_speed}</div>
    </div>
    <div class="weather-item">
        <div>Sunrise</div>
        <div>${window.moment(sunrise * 1000).format('HH:mm a')}</div>
```
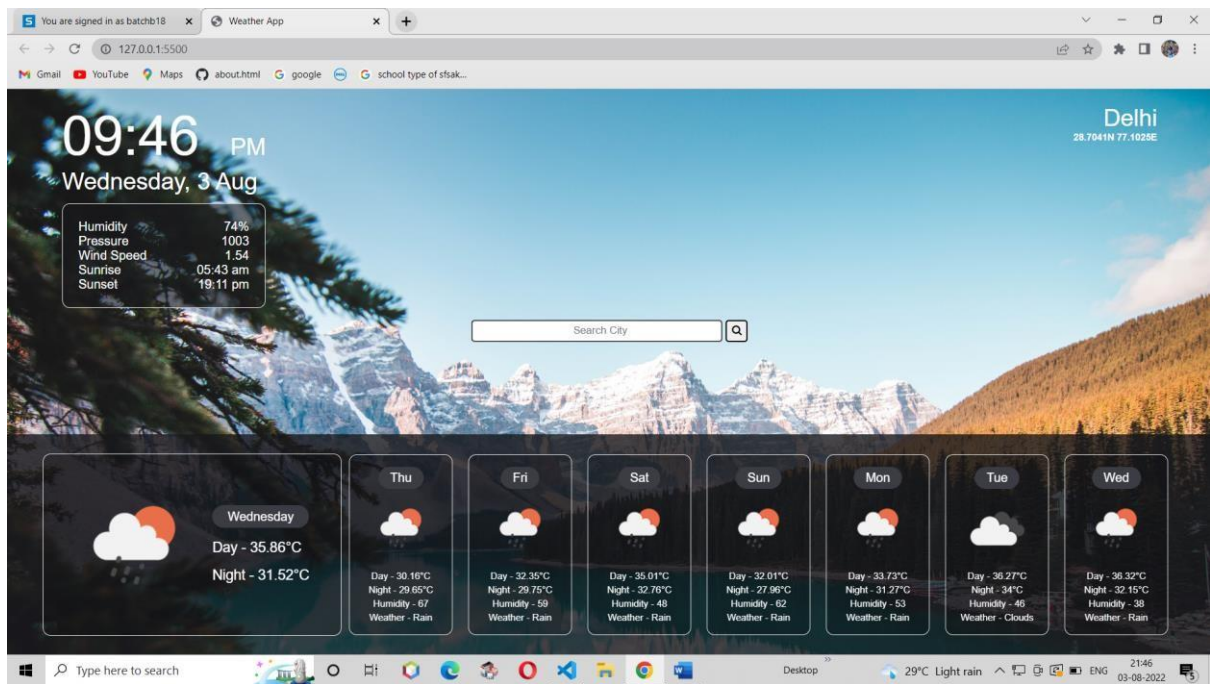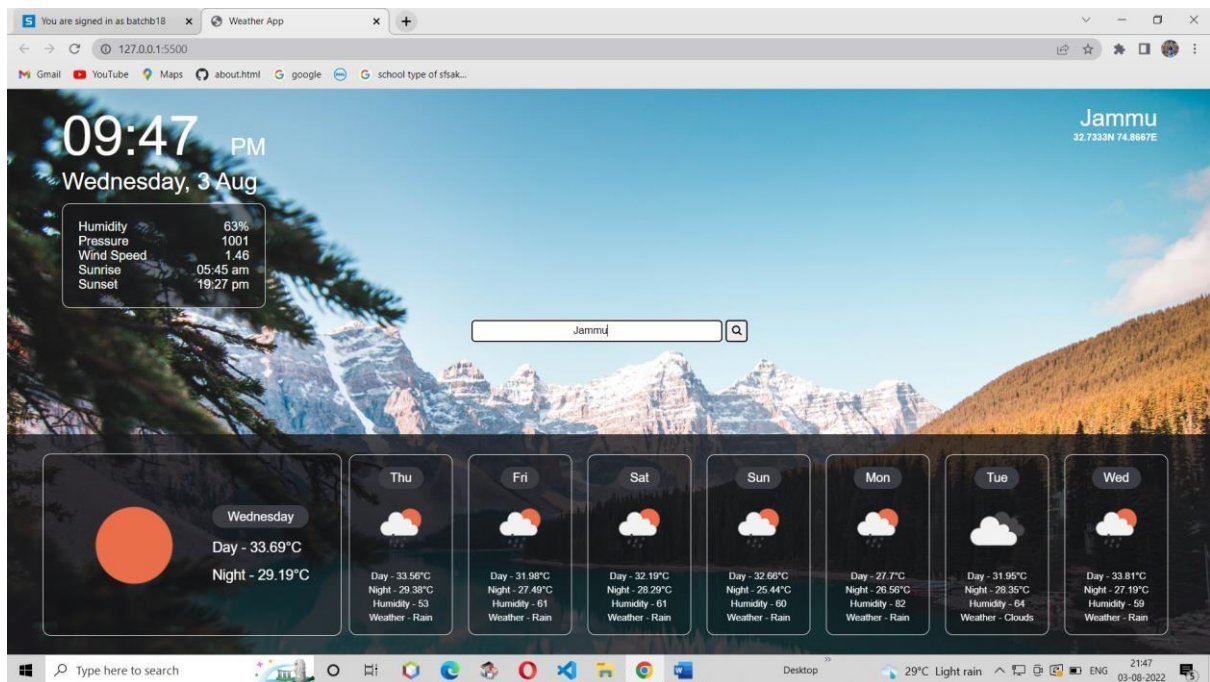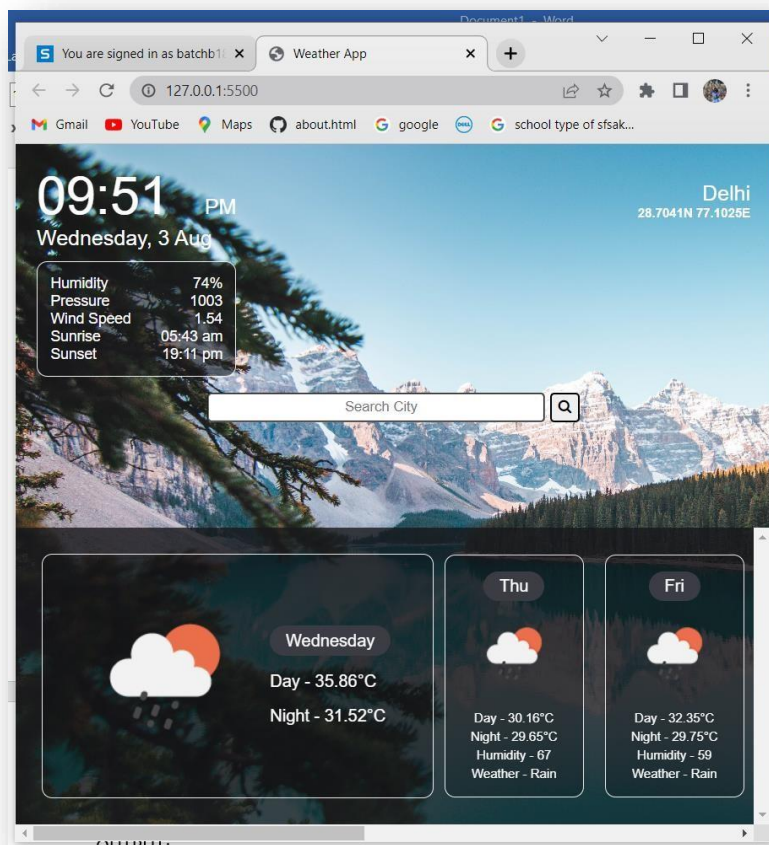
```
        </div>
        <div class="weather-item">
            <div>Sunset</div>
            <div>${window.moment(sunset*1000).format('HH:mm a')}</div>
        </div>



    `;
    let otherDayForcast = ''
data.daily.forEach((day, idx) => {
if(idx == 0){
currentTempEl.innerHTML = `
            <img src="http://openweathermap.org/img/wn//${day.weather[0].icon}@4x.png"
alt="weather icon" class="w-icon">
            <div class="other">
                <div class="day">${window.moment(day.dt*1000).format('dddd')}</div>
                <div class="temp">Day - ${day.temp.day}&#176;C</div>
                <div class="temp">Night - ${day.temp.night}&#176;C</div>

            </div>


        `            }else{
otherDayForcast += `
            <div class="weather-forecast-item">
                <div class="day">${window.moment(day.dt*1000).format('ddd')}</div>
                <img
src="http://openweathermap.org/img/wn/${day.weather[0].icon}@2x.png" alt="weather
icon" class="w-icon">

                <div class="temp">Day - ${day.temp.day}&#176;C</div>
                <div class="temp">Night - ${day.temp.night}&#176;C</div>
<div class="temp">Humidity - ${day.humidity}</div>
                <div class="temp">Weather - ${day.weather[0].main}</div>
            </div>

            `
        }
    })

    weatherForecastEl.innerHTML = otherDayForcast; }
```

OUTPUT:



**The above output is showing the 7 days weather forecast of Delhi (default city).**
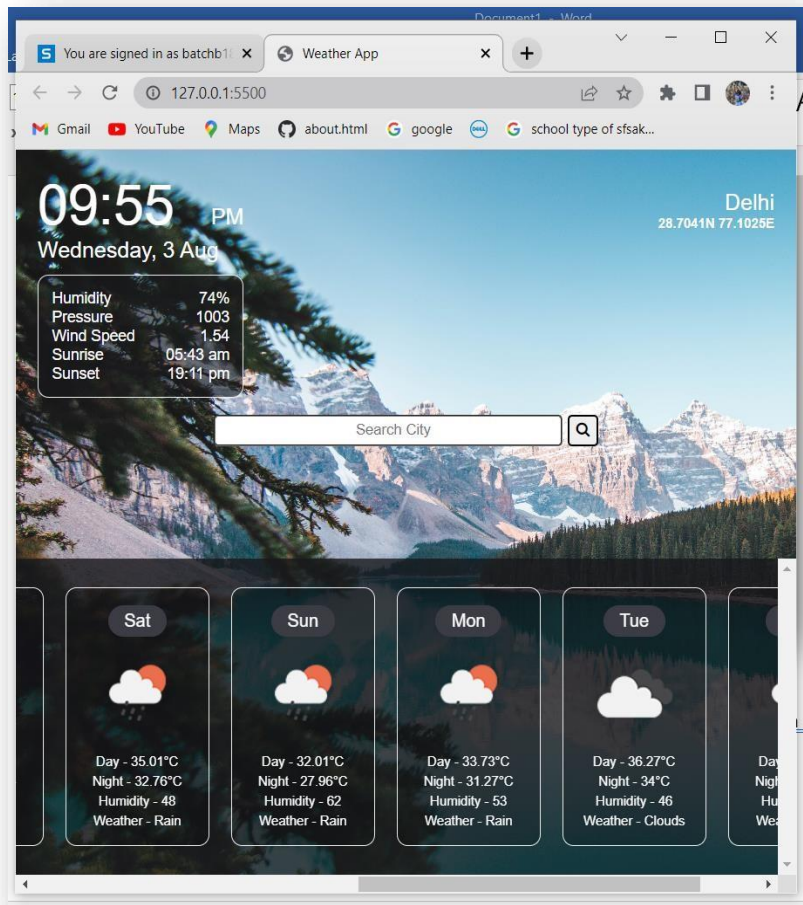


**The above output is showing the 7 days weather forecast of Jammu city entered by the user.**

**Responsive:**



**This is the responsive output and to watch other days weather conditions we can use scroll bar.**