

WEB TECHNOLOGY – TUTORIAL -3

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CREATE AN WEBSITE USING WEATHER DATA API

Index.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">
  <title>Weather app</title>
  <link rel="stylesheet" href="./style.css">
</head>
<body>
  <div class="card">
    <div class="search">
      <input type="text" placeholder="Enter city name"
spellcheck="false">
      <button>  </button>
    </div>
    <div class="error">
      <p>Invalid city name</p>
    </div>
    <div class="weather">
      
      <h1 class="temp">22°C</h1>
      <h2 class="city">India</h2>
      <div class="position">
        <div class="lon">
          <p class="lonval">1</p>
          <p>Longitude</p>
        </div>
        <div class="lan">
          <p class="lanval">1</p>
          <p>Latitude</p>
        </div>
      </div>
      <div class="details">
        <div class="col">
          
        </div>
      </div>
    </div>
  </div>
```

```

        <p class="humidity">50%</p>
        <p>Humidity</p>
      </div>
    </div>
    <div class="col">
      
      <div>
        <p class="wind">50km/hr</p>
        <p> Wind Speed</p>
      </div>
    </div>
  </div>
</div>
<script>
  const apiKey= "90d109d350bcec2747581b7423dde0bf";
  const
apiUrl="https://api.openweathermap.org/data/2.5/weather?units=metric&q=";
  const searchBox= document.querySelector(".search input");
  const searchBtn= document.querySelector(".search button");
  const weatherIcon = document.querySelector(".weather-icon");
  async function checkweather(city){
    const response= await fetch(apiUrl + city +`&appid=${apiKey}`);

    var data = await response.json();

    console.log(data);
    document.querySelector(".city").innerHTML= data.name;
    document.querySelector(".temp").innerHTML= Math.round(data.main.temp)
+ "°C";
    document.querySelector(".humidity").innerHTML= data.main.humidity +
"%";
    document.querySelector(".wind").innerHTML= data.wind.speed + "km/h";
    document.querySelector(".lonval").innerHTML=data.coord.lon;
    document.querySelector(".lanval").innerHTML=data.coord.lat;
    if(data.weather[0].main== "Clouds"){
      weatherIcon.src= "images/clouds.png";
    }
    else if(data.weather[0].main == "Clear"){
      weatherIcon.src="images/clear.png" ;
    }
    else if(data.weather[0].main == "Rain"){
      weatherIcon.src="images/rain.png" ;
    }
    else if(data.weather[0].main == "Drizzle"){
      weatherIcon.src="images/drizzle.png" ;
    }
    else if(data.weather[0].main == "Mist"){

```

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        weatherIcon.src="images/mist.png" ;
    }

    document.querySelector(".weather").style.display="block";
}
searchBtn.addEventListener("click",()=>{
    checkweather(searchBox.value);
})

</script>

</body>
</html>

```

Style.css

```

*{
    margin : 0;
    padding: 0;
    font-family :Arial, Helvetica, sans-serif;
    box-sizing: border-box;
}
body{
    background :#90AFC5;
}
.card
{
    width : 90%;
    max-width : 470px;
    background: linear-gradient(135deg, #8a307f, #79a7d3, #6883bc);
    color: #fff;
    margin: 50px auto 50px;
    border-radius: 20px;
    padding : 40px 35px;
    text-align: center;
}
.search
{
    width :100%;
    display : flex;
    align-items : center;
    justify-content: space-between;
}

```

```
}  
.search input{  
  border :0;  
  outline : 0;  
  background: #ebfffc;  
  color: #555;  
  padding: 10px 25px;  
  height: 60px;  
  border-radius: 30px;  
  flex : 1;  
  margin-right: 15px;  
  font-size : 18px;  
  
}  
.search button{  
  border :0;  
  outline : 0;  
  background: #ebfffc;  
  border-radius: 50%;  
  width : 60px;  
  height : 60px;  
  cursor: pointer;  
}  
.search button img{  
  width : 16px;  
}  
.weather-icon  
{  
  width : 170px;  
  margin-top : 30px;  
}  
.weather h1{  
  font-size: 80px;  
  font-weight: 500;  
}  
.weather h2{  
  font-size: 45px;  
  font-weight: 400;  
  margin-top: -10px;  
}  
.details , .position  
{  
  display: flex;  
  align-items: center;  
  justify-content: space-between;  
  padding : 0 20px;  
  margin-top: 50px;  
}
```

```

}
.col{
  display: flex;
  align-items: center;
  text-align: left;
}
.col img{
  width : 40px;
  margin-right : 10px;
}
.humidity, .wind, .lon, .lan{
  font-size: 28px;
  margin-top: -6px;
}
.weather{
  display:none;
}
.error{
  text-align: left;
  margin-right: 10px;
  font-size: 14px;
  margin-top: 10px;
  display:none;
}

```



