```
<!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 href="jj.css" rel="stylesheet">
<title>Weather Application</title>
</head>
<body>

  <form method="get" action="right.php" id="top">
    <input type="text" id="city" name="search" placeholder="Search for city
weather">
    <button class="button" type="submit">
      <i class="fa-solid fa-magnifying-glass"></i>
      Update
    </button>
  </form>

<div class="container">

  <div class="left-box">
    <p><i class="fa-solid fa-spinner fa-spin"></i>  Loading</p>

  </div>

  <div id="below-box">
    <P>Past 7Days weather</P>
    <?php include "right.php"; ?>
  </div>
  </div>

</div>
<script src="https://kit.fontawesome.com/ac36d9635d.js"
crossorigin="anonymous"></script>
</body>
</html>
```

```
* {
  box-sizing: border-box;
  margin: 0%;
  padding: 0%;
```

```
}

body {
  height: 100vh;
  background-image:
url(https://images.theconversation.com/files/393210/original/file-20210401-13-
z6rl6z.jpg?ixlib=rb-1.1.0&q=45&auto=format&w=1200&h=1200.0&fit=crop);
  background-repeat: no-repeat;
  background-size: cover;
  background-position: center;
  font-family: Arial, sans-serif;
}

#top {
  padding: 10px;
  display: flex;
}

#city{
  margin-left: 30%;
}

input[type="text"] {
  height: 4.5vh;
  width: 30%;
  background-color: #fcfcfc;
  padding-left: 15px;
  border-radius: 15px;
  border: none;
}

button {
  margin-left: 5px;
  padding: 5px 10px;
  background-color: #0077be;
  color: white;
  border-radius: 15px;
  cursor: pointer;
}

button:hover {
  color: aqua;
  background-color: #034f8d;
}
```

```css
.container{
  display: flex;
  flex-direction: row;
  height: 80vh;
}

.left-box{
  padding: 10px;
  height: 75%;
  margin: 10px;
  margin-left: 10%;
  width: 20%;
  font-family: Georgia, 'Times New Roman', Times, serif;
  background-image: linear-gradient(245deg,rgb(0, 0, 0), rgba(0, 0, 0,
0.458),rgb(0, 0, 0));
  border-radius: 50px;
}

.left-box p{
  margin-top: 5px;
  padding: 20px;
  color: rgb(251, 243, 243);
  font-size: 40px;
}

#below-box{
    height: 70%;
    margin: 10px;
    width: 40%;
    padding: 25px;
    margin-left: 10px;
    font-family: Georgia, 'Times New Roman', Times, serif;
    background-image: linear-gradient(180deg,rgb(0, 0, 0), rgba(0, 0, 0,
0.521),rgb(0, 0, 0));
    border-radius: 50px;
    font-size: 24px;
}

table{
  padding: 15px;
  border: 1px solid white;
  border-radius: 2rem;
  width: 100%;
  height: 88%;
  color: white;
```

```
  text-align: center;
}

p{
  color: #fcfcfc;margin-bottom: 10px;
}


#time{
  color: rgb(255, 255, 255);
  font-size: 25px;
  text-align: left;
}

#year{
  color: rgb(255, 255, 255);
  font-size: 30px;
  text-align:right;
}

#weather {
  font-family: Georgia, 'Times New Roman', Times, serif;
  margin: 15px;
  color: rgb(255, 255, 255);
  font-size: 22px;
  text-align: left;
  line-height: 10mm;
}
```

```
<?php
global $conn;
function city($city){
$url = "https://api.openweathermap.org/data/2.5/weather?q=" . $city .
"&units=metric&appid=189136b0c63270d5200824902679fd1c";
$data = file_get_contents($url);
$data = json_decode($data, true);
conmysql($data,$city);
}

function conmysql($data,$city){
$localhost = "localhost";
$username = "root";
$password = "";
$dbname = "history";
$mysql = mysqli_connect($localhost, $username, $password, $dbname);
```

```
entry($mysql,$data,$city);
}

function entry($mysql,$data,$city){
$cityname = $data['name'];
$temp = $data['main']['temp'];
$humidity = $data['main']['humidity'];
$windspeed = $data['wind']['speed'];
$description = $data['weather'][0]['description'];
$pressure = $data['main']['pressure'];
$country = $data['sys']['country'];
$sql = "INSERT INTO weather (id, cityname, temp, humidity, windspeed,
description, pressure, country) VALUES (1, '$cityname', $temp, $humidity,
$windspeed, '$description', $pressure, '$country')";
$sql2="DELETE FROM weather";
$sql3="UPDATE weather SET id = 1";
mysqli_query($mysql,$sql2);
mysqli_query($mysql,$sql3);
mysqli_query($mysql,$sql);
for ($i=1; $i<=7; $i++) {
    $end_date=(new DateTime())->sub(new DateInterval('P'.($i-1).'D'))->format('Y-
m-d');
    $start_date = (new DateTime())->sub(new DateInterval('P'.$i.'D'))->format('Y-
m-d');
    $urlhis="https://api.weatherbit.io/v2.0/history/daily?city=" . $city .
"&start_date=".$start_date."&end_date=".$end_date."&key=136b6cf7112446f3b74f261d3
036dc2a";
    $Data = file_get_contents($urlhis);
    $Data = json_decode($Data, true);
    $temp=$Data['data'][0]['temp'];
    $cityname=$Data['city_name'];
    $datetime=$Data['data'][0]['datetime'];
    $sql = "INSERT INTO weather (id, cityname, temp, humidity, windspeed,
description, pressure, country, date) VALUES ($i+1, '$cityname', $temp, 0, 0,
'0',  0, '0', '$datetime')";
    mysqli_query($mysql,$sql);
}
retrive($mysql,$data,$Data);
}

function retrive($mysql,$data,$Data){
    global $city_name1, $temp1, $humidity1, $windspeed1, $description1,
$pressure1, $country1, $temp2;
    $sql="SELECT cityname FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));
```

```
    $city_name1=$row['cityname'];
    $sql="SELECT temp FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $temp1=$row['temp'];
    $sql="SELECT humidity FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $humidity1=$row['humidity'];
    $sql="SELECT windspeed FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $windspeed1=$row['windspeed'];
    $sql="SELECT description FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $description1=$row['description'];
    $sql="SELECT pressure FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $pressure1=$row['pressure'];
    $sql="SELECT country FROM weather WHERE id=1";
    $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));

    $country1=$row['country'];
    for ($i=2;$i<=8;$i++){
        $sql="SELECT temp FROM weather WHERE id=$i";
        $row=mysqli_fetch_assoc(mysqli_query($mysql, $sql));
        $temp2[$i-2]=$row['temp'];
    }

$conn = mysqli_connect('localhost', 'root', '', 'history');

    // Query data from the database
$sql = "SELECT * FROM weather";
$result = mysqli_query($conn, $sql);
echo "<table>";
echo "<tr><th>City</th><th>Date</th><th>Temperature</th></tr>";
while ($row = mysqli_fetch_assoc($result)) {
    echo "<tr>";
    echo "<td>" . $row['cityname'] . "</td>";
    echo "<td>" . $row['date'] . "</td>";
    echo "<td>" . $row['temp'] . "°C </td>";
    echo "</tr>";
```

```php
}
echo "</table>";
}

if ( isset($_GET['search']) )
{
    $Searched_City_Name = $_GET['search'];

   // Redirect to the weather app since form submission will navigate the user
away from this page
    header("Location: index.php?passed_city_name=" .
urlencode($Searched_City_Name));
    exit();
}

if (!isset($_GET['passed_city_name'])) {
    $cityName = "Kinshasa";
}
else  {
    $cityName = $_GET['passed_city_name'];
}
city($cityName);

?>
```

```javascript
function getWeather() {

  // Get the city name from the input field
  const city = document.getElementById("city").value;

  // Construct the API URL with the city name and API key
  let url = "https://api.openweathermap.org/data/2.5/weather?q=" + city +
"&appid=189136b0c63270d5200824902679fd1c";

  // Send a GET request to the API URL
  fetch(url)
    .then(response => {
        if (!response.ok) {
          throw new Error('City not found');
        }
        return response.json();
      })
    .then(data => {
      // Extract the relevant weather data from the API response
```

```
      let date = new Date();
      let dayOfWeek = new Intl.DateTimeFormat('en-US', {weekday:
'long'}).format(date);
      let month = new Intl.DateTimeFormat('en-US', {month: 'long'}).format(date);
      let day = date.getDate();
      let year = date.getFullYear();
      let weatherCondition = data.weather[0].description;
      let weatherIcon = "https://openweathermap.org/img/w/" +
data.weather[0].icon + ".png";
      let temperature = (data.main.temp - 273.15).toFixed(1) + " °C";
      let pressure = data.main.pressure +" Hpa";
      let windSpeed = data.wind.speed + " m/s";
      let humidity = data.main.humidity + "%";
      let country = data.sys.country;
      document.getElementById("demo").innerHTML = `Today's Weather of <br>
${city.toUpperCase()}, ${country}`;
      document.body.style.backgroundImage =
`url('https://source.unsplash.com/1600x900/?${city}')`;

      // Display the weather data on the webpage
      let timediv = document.getElementById("time");
      timediv.innerHTML = dayOfWeek + ", " + month + " " + day;

      let yeardiv = document.getElementById("year");
      yeardiv.innerHTML = year;

      let weatherDiv = document.getElementById("weather");
      weatherDiv.innerHTML =weatherCondition + "<br>" +
                            "<img src='" + weatherIcon + "' alt='" +
weatherCondition + "'><br>" +
                            "Temperature: " + temperature + "<br>" +
                            "Pressure: " + pressure + "<br>" +
                            "Wind Speed: " + windSpeed + "<br>" +
                            "Humidity: " + humidity + "<br>";
    })
    .catch(error => {
      console.error(error);
      alert("City not found. Please enter a valid city name.");
    });

    const mysql = require('mysql');

const connection = mysql.createConnection({
  host: 'localhost',
  user: 'username',
```

```
  password: 'password',
  database: 'sensor_data'
});

connection.connect((err) => {
  if (err) {
    console.error('Error connecting: ' + err.stack);
    return;
  }

  console.log('Connected as id ' + connection.threadId);
});

}
```