1. HTML Code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="styles.css">

<title>Weather App</title>

</head>

<body>

<div class="container">

<h1>Weather App</h1>

<div id="weather-container">

<input type="text" id="city-input" placeholder="Enter city">

<button onclick="getWeather()">Get Weather</button>

<div id="weather-info"></div>

</div>

</div>

<script src="script.js"></script>

</body>

</html>

1. CSS Code

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

display: flex;

align-items: center;

justify-content: center;

height: 100vh;

background-color: #f4f4f4;

}

.container {

text-align: center;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

#weather-container {

margin-top: 20px;

}

input, button {

margin-bottom: 10px;

padding: 8px;

}

#weather-info {

font-size: 18px;

}

1. Js Code

function getWeather() {

const cityInput = document.getElementById('city-input');

const cityName = cityInput.value;

if (cityName.trim() === '') {

alert('Please enter a city name.');

return;

}

const apiKey = 'YOUR\_API\_KEY'; // Replace with your actual API key

const apiUrl = `https://api.openweathermap.org/data/2.5/weather?q=${cityName}&appid=${apiKey}`;

fetch(apiUrl)

.then(response => response.json())

.then(data => {

const weatherInfo = document.getElementById('weather-info');

const temperature = data.main.temp;

const description = data.weather[0].description;

weatherInfo.innerHTML = `Current temperature in ${cityName}: ${temperature}°C, ${description}.`;

})

.catch(error => {

console.error('Error fetching weather data:', error);

alert('Error fetching weather data. Please try again.');

});

}