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CIS233DA 17130

Professor McHardy

OpenWeather API

1. **What do you need to do in order to get your weather in Celsius instead of Fahrenheit? Show the text of the API call.**

You need to change the units in the parameters to metric rather than imperial in the API call. Example: https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&units=metric&appid={API key}

1. **How can you display weather condition images in your pages? Show the full URL of a night thunderstorm.**

To display weather condition images, you can use the icons provided by OpenWeather. Each of these icons have a unique id such as 11n, which is a thunderstorm in the night.

https://openweathermap.org/img/wn/11n@2x.png

1. **How can you display the weather conditions description in French? Show the text of the API call.**

You can use the lang parameter in the API call to change the language to French.

https://api.openweathermap.org/data/2.5/weather?id=524901&lang=fr&appid={API key}

1. **List ten weather conditions you might display on your page. Show them in dot notation according to the response object.**
2. Light Rain Night:

"weather": [

{

"id": 500,

"main": "Rain",

"description": "light rain",

"icon": "10n"

}

],

1. Clear Sky Day:

"weather": [

{

"id": 800,

"main": "Clear",

"description": "clear sky",

"icon": "01d"

}

],

1. Scattered Clouds Day:

"weather": [

{

"id": 802,

"main": "Clouds",

"description": " scattered clouds: 25-50%",

"icon": "03d"

}

],

1. Snow Night:

"weather": [

{

"id": 601,

"main": "Snow",

"description": " snow”,

"icon": "13n"

}

],

1. Snow Day:

"weather": [

{

"id": 601,

"main": "Snow",

"description": " snow”,

"icon": "13d"

}

],

1. Moderate Rainy Day:

"weather": [

{

"id": 501,

"main": "Rain",

"description": " moderate rain”,

"icon": "10d"

}

],

1. Ragged Shower Night:

"weather": [

{

"id": 531,

"main": "Rain",

"description": " ragged shower rain”,

"icon": "09n"

}

],

1. Heavy Drizzle Night:

"weather": [

{

"id": 302,

"main": "Drizzle",

"description": " heavy intensity drizzle”,

"icon": "09n"

}

],

1. Drizzle Day:

"weather": [

{

"id": 301,

"main": "Drizzle",

"description": " drizzle”,

"icon": "09d"

}

],

1. Heavy Thunderstorm Day:

"weather": [

{

"id": 212,

"main": "Thunderstorm",

"description": " heavy thunderstorm”,

"icon": "11d"

}

],