1. How to compare two JSON have the same properties without order?
   1. var obj1 = { name: "Person 1", age:5 };
   2. var obj2 = { age:5, name: "Person 1" };

var obj1 = { name: "Person 1", age:5 };

var obj2 = { age:5, name: "Person 1" };

var flag=true;

if(Object.keys(obj1).length==Object.keys(obj2).length){

    for(key in obj1) {

        if(obj1[key] == obj2[key]) {

            continue;

        }

        else {

            flag=false;

            break;

        }

    }

}

console.log("object are equal"+flag);

1. Use the rest countries API url -><https://restcountries.eu/rest/v2/all> and display all the country flags in console

|  |  |
| --- | --- |
|  | **request.open('GET','https://restcountries.eu/rest/v2/all',true);** |
|  | **request.send();** |
|  |  |
|  | **request.onload=function()** |
|  | **{** |
|  | **var countrydata=JSON.parse(this.response);** |
|  |  |
|  | **for(i=0;i<countrydata.length;i++)** |
|  | **{** |
|  | **var degree=countrydata[i].latlng;** |
|  | **var longitude=degree[0];** |
|  | **var latitude=degree[1];** |
|  | **console.log(countrydata[i].name)** |
|  | **try{** |
|  | **if(latitude==""||longitude=="")** |
|  | **{** |
|  | **throw "error";** |
|  | **}** |
|  | **else** |
|  | **{** |
|  | **var request1=new XMLHttpRequest();** |
|  | **request1.open('GET',"http://api.openweathermap.org/data/2.5/weather?lat="+longitude+"&lon="+latitude+"&APPID=6fe5b1936e7d8b30aa35979c6bd428bd",true);** |
|  | **request1.send();** |
|  | **request1.onload=function()** |
|  | **{** |
|  | **var data=JSON.parse(this.response);** |
|  | **console.log(data.name,data.main.temp);** |
|  | **}** |
|  | **}** |
|  | **}** |
|  | **catch(e)** |
|  | **{** |
|  | **console.log(e);** |
|  | **}** |
|  | **}** |
|  | **}** |

**3)Use the same rest countries and print all countries name, region, sub region and population**

|  |
| --- |
| **request.open('GET','https://restcountries.eu/rest/v2/all',true);** |
| **request.send();** |
|  |
| **request.onload=function()** |
| **{** |
| **var countrydata=JSON.parse(this.response);** |
|  |
| **for(i=0;i<countrydata.length;i++)** |
| **{** |
| **var degree=countrydata[i].latlng;** |
| **var longitude=degree[0];** |
| **var latitude=degree[1];** |
| **console.log(countrydata[i].name)** |
| **try{** |
| **if(latitude==""||longitude=="")** |
| **{** |
| **throw "error";** |
| **}** |
| **else** |
| **{** |
| **var request1=new XMLHttpRequest();** |
| **request1.open('GET',"http://api.openweathermap.org/data/2.5/weather?lat="+longitude+"&lon="+latitude+"&APPID=6fe5b1936e7d8b30aa35979c6bd428bd",true);** |
| **request1.send();** |
| **request1.onload=function()** |
| **{** |
| **var data=JSON.parse(this.response);** |
| **console.log(data.name,data.main.temp);** |
| **}** |
| **}** |
| **}** |
| **catch(e)** |
| **{** |
| **console.log(e);** |
| **}** |
| **}** |
| **}** |