***1.Get all the countries from Asia continent/region using Filter function:***

var request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var data = JSON.parse(this.response);

     var countries = data.filter((ele)=>ele.region==="Asia")

     console.log(countries)

}

2***.Get all the countries with population of less than 2 lacks using Filter function:***

var request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var data = JSON.parse(this.response);

    var population = data.filter((ele)=>ele.population<200000)

     .map((ele)=>ele.name)

     console.log(population)

}

***3.Print the country which use US dollars(USD) as currency:***

var request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){ var data = JSON.parse(this.response);

    let curr=data.filter((ele)=>{

        for(var i in ele.currencies){

            if(ele.currencies[i].code==='USD'){

                return true;

            }

        }

}).map(ele => console.log(ele.name))

}

***4.print the sum of the total population of the countries by using reduce function:***

var request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var data = JSON.parse(this.response);

    var res = data.reduce(function foo(acc,ele){

        return  acc+ele.population;

    },0);

    console.log(res);

}

***5.Get all the countries name,capital,flag by using Filter function:***

var request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var data = JSON.parse(this.response);

    data.forEach(ele => {

        console.log(ele.name+" "+ele.capital+" "+ele.flag)

    });

}

***6.Using try and function solving the data errors:***

var request =new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var data = JSON.parse(this.response);

    for(var i in data){

        try{

            var name = data[i].name;

         var lang = data[i].latlng;

         if(lang.length===0) throw new Error("longitude is not found")

         weatherdata(name,...lang);

        }

        catch(e){

            console.log("Invalid coordinates for the country"+name+" "+e.message);

               }

        }

         }

      var weatherdata = function(name,lat,lang){

         var request = new XMLHttpRequest();

         var url = 'http://api.openweathermap.org/data/2.5/weather?lat='+lat+'&lon='+lang+'&appid=23bcd7965ef3b50611f1fbb4b8084268&units=metric';

         request.open('GET',url,true);

         request.send();

         request.onload = function(){

            try{

                var res = JSON.parse(this.response)

                console.log(`${name} : ${res.main.temp}`);

         }

         catch(e){

             console.log("undefined response"+name);

         }

        }

      }