Solving problems using array functions on rest countries data.

* Get all the countries from Asia continent / “region” using Filter function.
* Get all the countries with population of less than 2 lacs using Filter function.
* Print the following details name, capital, flag using forEach function.
* Print the total population of countries using reduce function.
* Print the country which uses US Dollars as currency.

Ans. 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);

    const regionAsia = data.filter((x)=>{

      if(x.region==="Asia"){

          console.log(x);

      }

  })

}

Get all the countries with population of less than 2 lacs 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);

    const countrypop = data.filter((x)=>{

      if(x.population<200000){

          console.log(x);

      }

  })

}

Print the following details name, capital, flag using forEach 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);

    const countries = data.forEach(element => {

        console.log(element.name,element.capital,element.flag);

    });

}

Print the total population of countries 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 total = data.reduce((x,y)=>{

        return x+y.population

    },0);

    console.log(total);

}

Print the country which uses US Dollars 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);

    const usdCountries = data.forEach(element => {

        if(element.currencies[0].code==="USD"){

            console.log(element);

        }

    });

}