1. **Solving problems using array functions on rest countries data.**

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

var request=new XMLHttpRequest();

request.open('GET','<https://restcountries.com/v2/all>',true);

request.send();

request.onload=function (){

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

    const asia=countryData.filter((element)=>{

        if(element.region==='Asia'){

            return element;

        }

    })

    asia.forEach(myfunction);

    function myfunction(element){

        console.log(element.name);

    }

    document.write("The Countries of Asia are:")

    for(i of asia){

        console.log(i.name);

        document.write("<br>");

        document.write(i.name);}

}

**b.Get all the countries with a population of less than 2 lakhs using Filter function**

var request=new XMLHttpRequest();

request.open('GET','<https://restcountries.com/v2/all>',true);

request.send();

request.onload=function (){

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

    const popu=countryData.filter((element)=>{

        return element.population<200000;

    })

    document.write("The countries with population less than 2 lacs are: ")

    for(i of popu){

        console.log(i.name);

        document.write("<br>");

        document.write(i.name);}

}

**c.Print the following details name, capital, flag using forEach function**

var request=new XMLHttpRequest();

request.open('GET','<https://restcountries.com/v2/all>',true);

request.send();

request.onload=function (){

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

    document.write("<br>Print the following details name, capital, flag using forEach function")

    countryData.forEach((element)=>{

        document.write("</br>");

        document.write("<br>Countryname :"+element.name+"<br> CountryCapital :"+element.capital,"<br>Countrys flag :"+element.flag);

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

    })}

**d.Print the total population of countries using reduce function**

var request=new XMLHttpRequest();

request.open('GET','<https://restcountries.com/v2/all>',true);

request.send();

request.onload=function (){

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

    const population=countryData.reduce((acc,element)=>{

        return acc+element.population;

    },0)

    console.log(population)

    document.write("<h1>The population is"+population+"</h1>");}

e. Print the country which use US Dollars as currency.

var request = new XMLHttpRequest();

request.open('GET', '<https://restcountries.com/v2/all>', true)

request.send();

request.onload = function () {

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

        for(i=0;i<data.length;i++){

            if(data[i].name!="Antarctica"&&data[i].currencies[0].code=="USD")

            {

                console.log("name:",data[i].name,"==>",data[i].currencies[0].code)

            }

        }

    }