Task 4:

Question1: Get all the countries from Asia continent / “region” using Filter function.

index.html

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src="script.js"></script>

</body>

</html>

Script.js

var request=new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

   const countries=countrydata.filter((x)=>{

       if(x.region=='Asia')

       return x.name;

})

 console.log(countries);

}

Question2: Get all the countries with population of less than 2 lacs using Filter function.

index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src="script.js"></script>

</body>

</html>

script.js

var request=new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

   const countries=countrydata.filter((x)=>{

       if(x.population<200000)

       return x.name;

})

 console.log(countries);

}

Question3: Print the following details name, capital, flag using forEach function.

index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src="script.js"></script>

</body>

</html>

script.js

var request=new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

    var countries=[];

    countrydata.forEach((x)=>{

         countries.push('name-'+x.name+' '+'capital-'+x.capital+' '+'flag-'+x.flag);

})

 console.log(countries);

}

Question4: Print the total population of countries using reduce function.

Index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src="script.js"></script>

</body>

</html>

Script.js

var request=new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

    var sum=countrydata.reduce((acc,currentval)=>{

        return acc+ +currentval.population;

    },0)

    console.log(sum);

}

Question5: Print the country which uses US Dollars as currency.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src="script.js"></script>

</body>

</html>

Script.js

var request=new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

    var countries=[];

    countrydata.forEach((x)=>{

        if(x.currencies[0].name=='United States dollar')

        countries.push(x.name);

})

 console.log(countries);

}

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