**ARRAY METHODS**

1.Solving problems using array functions on the rest countries' data (<https://restcountries.com/v3.1/all>).

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

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

</body><script src="script.js"></script>

</html>

**script.js**

var request=new XMLHttpRequest();

request.open("GET","https://restcountries.com/v3.1/all");

request.send();

request.onload=function(){

var result=JSON.parse(request.response);

    const region = result.filter((country) => country.region === 'Asia')

    console.log(region)

}

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

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

</body><script src="script.js"></script>

</html>

**script.js**

var request=new XMLHttpRequest();

request.open("GET","https://restcountries.com/v3.1/all");

request.send();

request.onload=function(){

var result=JSON.parse(request.response);

    const population = result.filter((country) => country.population < 200000)

    console.log(population)

}

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

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

</body><script src="script.js"></script>

</html>

**Script.js**

var request=new XMLHttpRequest();

request.open("GET","https://restcountries.com/v3.1/all");

request.send();

request.onload=function(){

var result=JSON.parse(request.response);

    result.forEach(function (value) {

          console.log(value.name, value.capital, value.flags)

        })

}

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

**Index.html**

<!DOCTYPE html>

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<head>

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

    <title>Document</title>

</head>

<body>

</body><script src="script.js"></script>

</html>

**Script.js**

var request=new XMLHttpRequest();

request.open("GET","https://restcountries.com/v3.1/all");

request.send();

request.onload=function(){

var result=JSON.parse(request.response);

    let population = result.map((country) => country.population)

    let total = population.reduce((acc, curr) => acc + curr)

    console.log(total)

}

**E.Print the country which uses US Dollars as currency.**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

</body><script src="script.js"></script>

</html>

**Script.js**

var request=new XMLHttpRequest();

request.open("GET","https://restcountries.com/v3.1/all");

request.send();

request.onload=function(){

var result=JSON.parse(request.response);

console.log(result);

var cusd=result.filter((x)=>{

    for(var i in x.currencies){

        if(x.currencies[i].name==="United States dollar"){

            return true;

        }

    }

});

console.log(cusd);

}