HTML Code:

<!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>

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

</body>

</html>

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

1. Get all the countries from Asia continent /region using Filter method.

=>

var request = new XMLHttpRequest();

request.open("GET","https://restcountries.com/v2/all");

request.send();

request.onload=function(){

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

result.filter((countries) => {

return countries.region ==="Asia";

})

console.log(result);

}

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

=>

var request1 = new XMLHttpRequest();

request1.open("GET","https://restcountries.com/v2/all");

request1.send();

request1.onload=function(){

var result1=JSON.parse(request1.response);

const pop = result1.filter((element)=>{

return element.population<200000;

})

console.log(pop);}

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

=>

var request2 = new XMLHttpRequest();

request2.open("GET","https://restcountries.com/v2/all");

request2.send();

request2.onload=function(){

var result2=JSON.parse(request2.response);

result2.forEach(element => {

console.log(element.name);

console.log(element.capital);

console.log(element.flag);

});

}

1. Print the total population of countries using reduce method

=>

var request3 = new XMLHttpRequest();

request3.open("GET","https://restcountries.com/v2/all");

request3.send();

request3.onload=function(){

var result3=JSON.parse(request3.response);

var total = result3.reduce((acc,curr) =>{

return acc+curr.population;

} ,0);

console.log(total);

}

1. Print the country that uses US dollars as currency.

=>

var request4 = new XMLHttpRequest();

request4.open("GET","https://restcountries.com/v2/all");

request4.send();

request4.onload=function(){

var result4=JSON.parse(request4.response);

var currency = result4.filter((element) => {

for(let key in element.currencies){

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

return element;

}

}

})

console.log(currency);

}