Q:

Rest countries:

Get the countries in asia - filter

Get the countries with population less than 2L - fliter

Bumpup the current population  of all the countries by 1L - Map

convert all the names in capital - map

print following details  name , capital , flag  - foreach,filter

Print the total population of the countries  - reduce

Print the total population of the countries in asia - filter & reduce

Code:

// Create a request variable and assign a new XMLHttpRequest object to it.

var ***request*** = new ***XMLHttpRequest***()

// Open a new connection, using the GET request on the URL endpoint

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

***request***.onload = function() {

// Begin accessing JSON data here

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

***console***.log(data)

//Get the countries in asia - filter

let Asian\_countries = data.filter((item)=> item.region==="Asia")

***console***.log("Asian\_countries")

***console***.log(Asian\_countries)

//Get the countries with population less than 2L - fliter

let population\_2L = data.filter((item)=> item.population<200000)

***console***.log("population less than 2L")

***console***.log(population\_2L)

//Bumpup the current population of all the countries by 1L - Map

let population\_before = data.map((item)=> item.population)

***console***.log("population\_before")

***console***.log(population\_before)

let population\_add\_1L = data.map((item)=> item.population+=100000)

***console***.log("population after adding 1L")

***console***.log(population\_add\_1L)

//convert all the names in capital - map

let names\_before = data.map((item)=> item.name)

***console***.log("names\_before")

***console***.log(names\_before)

let names\_capital = data.map((item)=> item.name = item.name.toUpperCase())

***console***.log("names\_capital")

***console***.log(names\_capital)

//print following details name , capital , flag - foreach,filter

//let details = data.forEach((item)=>console.log([item.name, item.capital,item.flag])) //forEach works

let details = data.map((item)=>[item.name, item.capital,item.flag]) //map works

***console***.log("details : ",details)

//Print the total population of the countries - reduce

//let total\_population = population\_add\_1L.reduce((a,b)=> (a+b)) //using Arr - works

let total\_population = data.reduce((a,b)=> ({population : a.population+b.population})) //using object - works :) :)

***console***.log("Total\_population : ", total\_population.population)

//Print the total population of the countries in asia - filter & reduce

let Asian\_countries\_population = Asian\_countries.reduce((a,b)=>({population : a.population+b.population}))

***console***.log("Asian\_countries\_population : ", Asian\_countries\_population.population)

}

// Send request

***request***.send()

Output:



