**Array Methods**

1. Solving problems using array functions on the rest countries' data (<https://restcountries.com/v3.1/all>).
2. Get all the countries from the Asia continent /region using the Filter function

    let req = new XMLHttpRequest()

    req.open('GET','https://restcountries.com/v3.1/all')

    req.send()

    req.onload=()=>{

        let data = JSON.parse(req.response)

       let asiaCountries = data.filter((country)=>{

            return country.region == 'Asia' || country.continents.includes('Asia')

        })

        console.log(asiaCountries)

    }

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

    let req = new XMLHttpRequest()

    req.open('GET','https://restcountries.com/v3.1/all')

    req.send()

    req.onload=()=>{

        let data = JSON.parse(req.response)

       let asiaCountries = data.filter((country)=>{

            return country.population < 200000

        })

        console.log(asiaCountries)

    }

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

    let req = new XMLHttpRequest()

    req.open('GET','https://restcountries.com/v3.1/all')

    req.send()

    req.onload=()=>{

        let data = JSON.parse(req.response)

       data.forEach(element => {

        console.log(`Country Name : ${element.name.common}, Capital : ${element.capital}, Flag : ${element.flag}`)

       });    }

1. Print the total population of countries using reduce function

    let req = new XMLHttpRequest()

    req.open('GET','https://restcountries.com/v3.1/all')

    req.send()

    req.onload=()=>{

        let data = JSON.parse(req.response)

    let totalPopulation = data.reduce((a,b)=>{

        console.log(a)

         return (a + b.population)

       },0);

       console.log(`Total Population of Countries is ${totalPopulation}`)

    }

1. Print the country which uses US Dollars as currency.

  let req = new XMLHttpRequest()

    req.open('GET','https://restcountries.com/v3.1/all')

    req.send()

    req.onload=()=>{

        let data = JSON.parse(req.response)

    let countriesUSD = data.filter((element)=>{

        for(val in element.currencies)

        {

           if(val == "USD"){

            return element

           }

        }

    })

    console.log(countriesUSD.map((a)=>a.name.official).join("\n"))

    }