1. Solving problems using array functions on rest countries data.

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

const getCountries = () => {

  const xhr = new XMLHttpRequest()

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

  xhr.send()

  xhr.responseType = 'json'

  xhr.onload = () => {

    const countries = xhr.response

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

    console.log(region)

  }

}

getCountries()

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

const getCountries = () => {

  const xhr = new XMLHttpRequest()

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

  xhr.send()

  xhr.responseType = 'json'

  xhr.onload = () => {

    const countries = xhr.response

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

    console.log(population)

  }

}

getCountries()

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

const getCountries = () => {

  const xhr = new XMLHttpRequest()

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

  xhr.send()

  xhr.responseType = 'json'

  xhr.onload = () => {

    const countries = xhr.response

    countries.forEach(function (value) {

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

    })

  }

}

getCountries()

d. Print the total population of countries using reduce function

const getCountries = () => {

  const xhr = new XMLHttpRequest()

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

  xhr.send()

  xhr.responseType = 'json'

  xhr.onload = () => {

    const countries = xhr.response

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

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

    console.log(total)

  }

}

getCountries()

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

const getCountries = () => {

  const xhr = new XMLHttpRequest()

  xhr.open(

    'GET',

    'https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json',

    true

  )

  xhr.send()

  xhr.responseType = 'json'

  xhr.onload = () => {

    const countries = xhr.response

    let find = countries.filter((x) => {

      for (let i in x.currencies) {

        if (x.currencies[i].code === 'USD') return true

      }

    })

    console.log(find)

  }

}

getCountries()