Task 7

**ARRAY METHODS**

1. 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 function
   2. Get all the countries with a population of less than 2 lakhs using Filter function
   3. Print the following details name, capital, flag, using forEach function
   4. Print the total population of countries using reduce function
   5. Print the country that uses US dollars as currency.

<html>

    <body>

        <h1>Welcome to the Country Details</h1>

    <script>

    const xhr = new XMLHttpRequest();

    const url =  "https://restcountries.com/v3.1/all";

    xhr.onreadystatechange = function () {

    if (xhr.readyState === XMLHttpRequest.DONE){

        if (xhr.status === 200){

            const response = JSON.parse(xhr.responseText);

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

            console.log("----Asian Countries----")

            let asiaCountries = response.filter((item)=>{

                if (item.region === "Asia"){

                    console.log(item.name.common);

                    return true;

                }

            })

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

            console.log("-----Countries with population less than 2 lakhs-------");

            let populationBased = response.filter((item)=>{

                if (item.population < 200000){

                    console.log(item.name.common);

                    return true;

                }

            })

            //Print the following details name, capital, flag, using forEach function

            response.forEach((item) => {

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

            });

            //Print the total population of countries using reduce function

            let totalPopulation = response.reduce((curr,acc)=>{

                return (curr + acc.population);

            },0);

            console.log("Total Population of the countries: " + totalPopulation);

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

            console.log("Countries that use USD as the currency :")

            let countriesUsingUSD = response.filter((item)=>{

                if (item.currencies  && item.currencies.USD){

                    console.log(item.name.common);

                    return true;

                }

            })

        } else{

            console.log("There is problem with the request");

        }

    }

};

    xhr.open('GET',url,true);

    xhr.send();

    </script>

    </body>

</html>