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

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

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

Print the following details name, capital, flag, using for Each method

Print the total population of countries using reduce method

Print the country that uses US dollars as currency.

**Solution:**

// Fetching data from the REST Countries API

fetch('https://restcountries.com/v3.1/all')

.then(response => response.json())

.then(data => {

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

const asiaCountries = data.filter(country => country.region === 'Asia');

console.log("Countries from Asia:", asiaCountries.map(country => country.name.common));

// Problem 2: Get all the countries with a population of less than 2 lakhs using Filter method

const countriesWithLowPopulation = data.filter(country => country.population < 200000);

console.log("Countries with population less than 2 lakhs:", countriesWithLowPopulation.map(country => country.name.common));

// Problem 3: Print the following details name, capital, flag, using forEach method

console.log("Details of countries:");

data.forEach(country => {

console.log("Name:", country.name.common);

console.log("Capital:", country.capital ? country.capital[0] : "N/A");

console.log("Flag:", country.flags ? country.flags.svg : "N/A");

console.log("-------------------------");

});

// Problem 4: Print the total population of countries using reduce method

const totalPopulation = data.reduce((acc, country) => acc + country.population, 0);

console.log("Total population of countries:", totalPopulation);

// Problem 5: Print the country that uses US dollars as currency

const countryWithUSD = data.find(country => {

const currencies = country.currencies ? Object.values(country.currencies) : [];

return currencies.includes("USD");

});

console.log("Country that uses US dollars as currency:", countryWithUSD ? countryWithUSD.name.common : "Not found");

})

.catch(error => console.log("Error fetching data:", error));