DAY 6

Array functions on rest countries data (<https://restcountries.com/v3.1/all>)

1a. Get all the countries from Asia continent /region using Filter function.

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

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

.then(data => {

const asiaCountries = data.filter(country => {

return country.region.includes('Asia');

});

console.log('Countries in Asia:', asiaCountries);

})

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

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

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

.then(data => {

const countriesWithPopulationLessThan2Lakhs = data.filter(country => {

const population = country.population;

return population < 200000;

});

console.log(countriesWithPopulationLessThan2Lakhs);

})

.catch(error => {

console.error('Error fetching data:', error);

});

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

// Fetch data from the REST API

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

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

.then(data => {

data.forEach(country => {

if (country.name && country.capital && country.flags) {

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

console.log('Capital:', country.capital[0]);

console.log('Flag:', country.flags.svg);

console.log('----------------------');

}

});

})

1d. Print the total population of countries using reduce function.

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

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

.then(data => {

const totalPopulation = data.reduce((acc, country) => {

if (country.population && typeof country.population === 'number') {

return acc + country.population;

} else {

return acc;

}

}, 0);

console.log('Total Population:', totalPopulation);

})

});

1e. Print the country that uses US dollars as currency.

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

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

.then(data => {

const usDollarCountries = data.filter(country => {

const currencies = country.currencies || {};

return Object.values(currencies).some(currency => currency.code === 'USD');

});

const countryNames = usDollarCountries.map(country => country.name.common);

console.log(countryNames);

})