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

function getCountriesFromAsia() {

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

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

.then(data => {

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

return countriesInAsia;

});

}

getCountriesFromAsia()

.then(countries => {

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

})

.catch(error => {

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

});

function getCountriesFromAsia() {

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

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

.then(data => {

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

return countriesInAsia;

});

}

getCountriesFromAsia()

.then(countries => {

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

})

.catch(error => {

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

});

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

function getCountriesWithPopulationLessThan2Lakhs() {

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

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

.then(data => {

const countriesWithPopulationLessThan2Lakhs = data.filter(country => country.population < 200000);

return countriesWithPopulationLessThan2Lakhs;

});

}

getCountriesWithPopulationLessThan2Lakhs()

.then(countries => {

console.log('Countries with population less than 2 lakhs:', countries);

})

.catch(error => {

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

});

function getCountriesWithPopulationLessThan2Lakhs() {

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

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

.then(data => {

const countriesWithPopulationLessThan2Lakhs = data.filter(country => country.population < 200000);

return countriesWithPopulationLessThan2Lakhs;

});

}

getCountriesWithPopulationLessThan2Lakhs()

.then(countries => {

console.log('Countries with population less than 2 lakhs:', countries);

})

.catch(error => {

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

});

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

function printCountryDetails() {

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

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

.then(data => {

data.forEach(country => {

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

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

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

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

});

});

}

printCountryDetails()

.catch(error => {

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

});

function printCountryDetails() {

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

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

.then(data => {

data.forEach(country => {

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

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

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

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

});

});

}

printCountryDetails()

.catch(error => {

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

});

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

function printTotalPopulation() {

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

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

.then(data => {

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

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

});

}

// Usage example

printTotalPopulation()

.catch(error => {

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

});

function printTotalPopulation() {

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

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

.then(data => {

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

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

});

}

// Usage example

printTotalPopulation()

.catch(error => {

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

});

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

xhr.open(method, url);

xhr.onload = function () {

if (xhr.status === 200) {

var countriesDetails = JSON.parse(xhr.responseText);

console.log(countriesDetails);

for (var i = 0; i < countriesDetails.length; i++) {

if (countriesDetails[i].currencies != undefined) {

Object.keys(countriesDetails[i].currencies).forEach((key) => {

if (key === "USD") {

console.log(countriesDetails[i].currencies);

}

});

}

}

} else {

console.log("Request failed", xhr.status);

}

};

xhr.send();

xhr.open(method, url);

xhr.onload = function () {

if (xhr.status === 200) {

var countriesDetails = JSON.parse(xhr.responseText);

console.log(countriesDetails);

for (var i = 0; i < countriesDetails.length; i++) {

if (countriesDetails[i].currencies != undefined) {

Object.keys(countriesDetails[i].currencies).forEach((key) => {

if (key === "USD") {

console.log(countriesDetails[i].currencies);

}

});

}

}

} else {

console.log("Request failed", xhr.status);

}

};

xhr.send();