**Day\_07**

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

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

var request = new XMLHttpRequest();

request.open('Get','https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json');

request.send();

request.onload = function(){

 var data = JSON.parse(request.response);

let res = data.filter((ele)=> ele.region=="Asia" )

 let s1 = res.map((ele)=> ele.name )

console.log(s1)

};

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

var request = new XMLHttpRequest();

request.open('Get','https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json');

request.send();

request.onload = function(){

 var data = JSON.parse(request.response);

let res = data.filter((ele)=> ele.population<200000 )

 let s1 = res.map((ele)=> ele.name )

console.log(s1)

};

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

var request = new XMLHttpRequest();

request.open('Get','https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json');

request.send();

request.onload = function(){

 var data = JSON.parse(request.response);

data.forEach((ele) =>{

    console.log(`Name: ${ele.name}`)

    console.log(`Capital: ${ele.capital}`)

    console.log(`Flag: ${ele.flag}`)

});

};

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

var request = new XMLHttpRequest();

request.open('Get','https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json');

request.send();

request.onload = function(){

 var data = JSON.parse(request.response);

let total\_population = data.reduce((acc,ele) =>acc+ele.population,0)

console.log(total\_population)

};

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

var request = new XMLHttpRequest();

request.open('Get','https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json');

request.send();

request.onload = function(){

 var data = JSON.parse(request.response);

let currency = data.filter((ele) =>ele.currencies[0].name== "United States dollar")

let country = currency.map((ele)=> ele.name)

console.log(country)

};