**Day-9/29.07.2021**

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

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

Solution:

var request=new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload=function(){

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

    console.log(data);

    var result=data.filter((element)=>element.region==='Asia');

    console.log(result);

}

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

1. Solution:

var request=new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload=function(){

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

    console.log(data);

    var result=data.filter((element)=>element.population<200000);

    console.log(result);

}

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

1. Solution:

var request=new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload=function(){

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

    console.log(data);

    data.forEach(function(element){

    console.log(`${data.name}:${data.capital}:${data.flag});

}

d.Print the total population of countries using reduce function

1. Solution:

var request=new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload=function(){

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

    console.log(data);

    var result=data.reduce((acc,element)=>acc+element.population,0);

    console.log(result);

}

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

1. Solution:

var request=new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload=function(){

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

    console.log(data);

    var result=data.filter((element)=>{

        for(let i in element.currencies){

            if(element.currencies[i].code==='USD'){

                return true;

            }

        }

    });

    console.log(result);

}