Day-7

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

var request1 = new XMLHttpRequest();

request1.open("GET","https://restcountries.com/v2/all");

request1.send();

request1.onload=function(){

let result=[];

var countries = request1.response;

countries=JSON.parse(request1.response);

let asianCountries = countries.filter((element)=>{

if(element.region === 'Asia'){

return element.name;

}

});

for(let item in asianCountries){

result.push(asianCountries[item].name);

}

console.log("All the countries from the Asia continent /region using the Filter function : ",result);

};

**2.** Get all the countries with population of less than 2 lacs using Filter function

var request2 = new XMLHttpRequest();

request2.open("GET","https://restcountries.com/v2/all");

request2.send();

request2.onload=function(){

let result=[];

var countries = request2.response;

countries=JSON.parse(request2.response);

let population = countries.filter((element)=>{

if(element.population <= 200000){

return element.name;

}

});

for(let item in Object.keys(population)){

result.push(population[item].name);

}

console.log("All the countries with a population of less than 2 lakhs using Filter function : ",result);

};

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

var request3 = new XMLHttpRequest();

request3.open("GET","https://restcountries.com/v2/all?fields=name,capital,flags");

request3.send();

request3.onload=function(){

let result={};

result = request3.response;

result=JSON.parse(request3.response);

console.log("Name, capital, flag using forEach function");

Object.keys(result).forEach(key => {

console.log("Name:",result[key].name,",Capital:",result[key].capital,", Flags : ",result[key].flags.png);

});

};

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

var request4 = new XMLHttpRequest();

request4.open("GET","https://restcountries.com/v2/all");

request4.send();

request4.onload=function(){

let result={};

result = request4.response;

result=JSON.parse(request4.response);

const totalPopulation = result.reduce((acc, element) =>{

return acc + element.population},0)

console.log("Total Population of countries using reduce function : ",totalPopulation);

}

**5.** Print the country which use US Dollars as currency.

var request5 = new XMLHttpRequest();

request5.open("GET","https://restcountries.com/v2/all?fields=name,currencies");

request5.send();

request5.onload=function(){

let result=[];

var data = request5.response;

data=JSON.parse(request5.response);

for(let i of Object.keys(data)){

if(data[i].hasOwnProperty('currencies'))

{

if(data[i].currencies[0].code==='USD')

{

result.push(data[i].name);

}

}

}

console.log("The country which uses US Dollars as currency : ",result);

};