**DAY 09 – TASKS:**

1. Solving problems using array functions on rest countries data:
2. Get all the countries from Asia continent /region using Filter function:

**Solution:** var request = new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

console.log(data);

let output = data.filter((item) => item.region === "Asia").map((item) => item.name);

console.log(output);

}

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

**Solution:**  var request = new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

console.log(data);

let output = data.filter((item) => item.population < 200000).map((item) => item.name);

console.log(output);

}

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

**Solution:** var request = new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

console.log(data);

let output = data.reduce((acc, item) => acc + item.population, 0);

console.log(output);

}

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

**Solution:** var request = new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

console.log(data);

let output = data.filter((x) => {

for(let cur in x.currencies){

if(x.currencies[cur].code === "USD")

return true;

}

});

console.log(output);

}

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

**Solution**: var request = new XMLHttpRequest();

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

request.send();

request.onload = function(){

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

console.log(data);

let val1 = data.forEach(ele => console.log(ele.name));

let val2 = data.forEach(ele => console.log(ele.capital));

let val3 = data.forEach(ele => console.log(ele.flag));

console.log(val1 + " " + val2 + " " + val3);

}