**Day 7 - Array Methods:**

1. Solving problems using array functions on the rest countries' data (<https://restcountries.com/v3.1/all>).
   1. Get all the countries from the Asia continent /region using the Filter function

<!DOCTYPE html>

<html>

<head>

<title>Guvi\_Task\_7</title>

</head>

<body>

<h1>Hello</h1>

<script>

function handleData()

{

let data = JSON.parse(this.responseText)

let filterCountries=data.filter((e)=>

{

if(e.region=="Asia"||e.continents=="Asia")

return true;

})

console.log(filterCountries)

}

const req = new XMLHttpRequest();

req.addEventListener('load',handleData)

req.open("GET","https://restcountries.com/v3.1/all")

req.send()

</script>

</body>

</html>

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

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</head>

<body>

<h1>Hello</h1>

<script>

function handleData(){

let data = JSON.parse(this.responseText)

function filterPopulation(data)

{

if(data.population<200000)

{

return true;

}

}

console.log(data.filter(filterPopulation))

}

const req = new XMLHttpRequest();

req.addEventListener('load',handleData)

req.open("GET","https://restcountries.com/v3.1/all")

req.send()

</script>

</body>

</html>

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

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</head>

<body>

<h1>Hello</h1>

<script>

function handleData()

{

let data = JSON.parse(this.responseText)

data.forEach(function details (e){

console.log(`Name : ${e.name.common} ,Capital : ${e.capital} ,Flag : ${e.flag}`)

});

}

const req = new XMLHttpRequest();

req.addEventListener('load',handleData)

req.open("GET","https://restcountries.com/v3.1/all")

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</script>

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

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</head>

<body>

<h1>Hello</h1>

<script>

function handleData()

{

let data = JSON.parse(this.responseText)

var arr=[]

for(e of data)

{

var population=e.population;

arr.push(population)

}

function sumPopulation(prev,curr)

{

return prev+curr;

}

console.log(arr.reduce(sumPopulation))

}

const req = new XMLHttpRequest();

req.addEventListener('load',handleData)

req.open("GET","https://restcountries.com/v3.1/all")

req.send()

</script>

</body>

</html>

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

<!DOCTYPE html>

<html>

<head>

<title>Guvi\_Task\_7</title>

</head>

<body>

<h1>Hello</h1>

<script>

function handleData(){

let data = JSON.parse(this.responseText)

function filterDollar(data)

{

for(k in data.currencies)

{

if(data.currencies[k].name==="United States dollar")

{

return true;

}

}

}

console.log(data.filter(filterDollar));

}

const req = new XMLHttpRequest();

req.addEventListener('load',handleData)

req.open("GET","https://restcountries.com/v3.1/all")

req.send()

</script>

</body>

</html>