**JAVASCRIPT DAY-9**

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

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

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script src="script.js"></script>

</body>

</html>

Script.js

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 countryData=JSON.parse(this.response);

const asia=countryData.filter((element)=>{

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

return element.name;

}

})

console.log(asia);

}

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

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

request.send();

request.onload= function()

{

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

const population=countryData.filter((element)=>

{

return element.population<200000; })

console.log(population);

**}**

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

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

request.send();

request.onload= function()

{

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

countryData.forEach((element)=>{

console.log(element.name,element.capital,element.flag);

})

}

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

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

request.send();

request.onload= function()

{

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

const population=countryData.reduce((acc,element)=>{

return acc+element.population;

})

console.log(population);

}

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

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<body>

<script src="script.js"></script>

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</html>

**Script.js**

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(this.response);

var cur=[];

for(i=0;i<data.length;i++){

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

{

console.log("name:",data[i].name,"==>",data[i].currencies[0].code);

}

}

}