**Day -9 : MRF - array method**

**General JSON data for all the tasks;**

let countiresInfo=[{

"name": "India",

"population":1392,

"region": "Asia",

"flag":"https://www.google.com/search?q=flag+of+india&rlz=1C1CHBF\_enIN974IN975&sxsrf",

"capital":"New Delhi",

"currency":"Rupees"

},{"name": "China",

"population":1444,

"region": "Asia",

"flag":"https://www.google.com/search?q=flag+of+china&rlz=1C1CHBF\_enIN974IN975&sxsrf=AOaemvKDSZDRjNKF7",

"capital":"Beijing",

"currency":"Renminbi"

},{"name": "USA",

"population":332,

"region": "North America",

"flag":"https://www.google.com/search?q=flag+of+usa+&tbm=isch&ved=2ahUKEwjUiavKm670AhW1keYKHeIwBTYQ2-cCegQIABAA&oqz",

"capital":"Washington DC",

"currency":"US Dollar"

},{"name": "Australia",

"population":25.69,

"region": "Australia",

"flag":"https://www.google.com/search?q=flag+of+australia+png&tbm=isch&ved=2ahUKEwjC7K6ymq70AhXKjNgFHfeYDOAQ2g",

"capital":"Canberra",

"currency":"Australian Dollar"

},{"name": "Canada",

"population":38.19,

"region": "North America",

"flag":"https://www.google.com/search?q=flag+of+canada&rlz=1C1CHBF\_enIN974IN975&sxsrf",

"capital":"Ottowa",

"currency":"Canadian dollar"

}];

**TASK A:**

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

let AsianCountires = countiresInfo.filter((x)=>x.region=== "Asia").map((y)=>{ return y.name});

console.log(`Asian Countires are ${AsianCountires}`);

**Output:**

Asian Countires are India,China

**TASK B:**

Get all the countries with a population of less than 1000 million using Filter function

let Country= countiresInfo.filter((x)=>x.population<1000).map((y)=>y.name)

console.log(`Countries with population less than 1000 million are ${Country}`)

**Output:**

Countries with population less than 1000 million are USA,Australia,Canada

**TASK C:**

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

let details = countiresInfo.forEach(function (a)

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

});

**Output:**

Name: India, Capital:New Delhi, Flag:https://www.google.com/search?q=flag+of+india&rlz=1C1CHBF\_enIN974IN975&sxsrf

Name: China, Capital:Beijing, Flag:https://www.google.com/search?q=flag+of+china&rlz=1C1CHBF\_enIN974IN975&sxsrf=AOaemvKDSZDRjNKF7

Name: USA, Capital:Washington DC, Flag:https://www.google.com/search?q=flag+of+usa+&tbm=isch&ved=2ahUKEwjUiavKm670AhW1keYKHeIwBTYQ2-cCegQIABAA&oqzName: Australia, Capital:Canberra, Flag:https://www.google.com/search?q=flag+of+australia+png&tbm=isch&ved=2ahUKEwjC7K6ymq70AhXKjNgFHfeYDOAQ2g

Name: Canada, Capital:Ottowa, Flag:https://www.google.com/search?q=flag+of+canada&rlz=1C1CHBF\_enIN974IN975&sxsrf

**TASK D:**

Print the total population of countries using reduce function

let TotalPopulation = countiresInfo.reduce((prev,pop)=>{

return prev+pop.population;

},0);

console.log(`Total Population is ${TotalPopulation} million`);

**Output:**

Total Population is 3231.88 million

**TASK E:**

let dollar= countiresInfo.filter((x)=>x.currency=="US Dollar").map((y)=>y.name);

console.log(`Countries that uses US dollar are ${dollar}`);

**Output:**

Countries that uses US dollar are USA