

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=2ahUKEwjUiavKm670AhW1keYKHlwBTYQ2-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=2ahUKEwjC7K6ymq7
0AhXKjNgFHfeYDOAQ2g",
  "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": "Ottawa",
  "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=A0aemvKDSZDRjNKF7

Name: USA, Capital:Washington DC,
Flag:<https://www.google.com/search?q=flag+of+usa+&tbm=isch&ved=2ahUKEwjUiavKm670AhW1keYKHeIwBTYQ2-cCegQIABAA&oqz>Name: Australia, Capital:Canberra,
Flag:<https://www.google.com/search?q=flag+of+australia+png&tbm=isch&ved=2ahUKEwjC7K6ymq70AhXKjNgFHfeYD0AQ2g>

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