

## TASK-4

1) Get all the countries from the Asia continent / “region” using the 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>API data</title>
</head>
<body>
  <script src="script.js">
  </script>
</body>
</html>
```

Script.js:

```
var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload = function() {
  var data = JSON.parse(this.response)
  let asianCountries = data.filter(item => item.region === 'Asia');
  console.log(asianCountries);
}
```

2) Get all the countries with populations of less than 2 lacs using Filter function?

Script.js:

```
var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload = function() {
  var data = JSON.parse(this.response)
  let population = data.map((item) => {
```

```

        item.population<'200000'
        return item.name;
    });
var output=population.filter((item)=>(item!=undefined));
console.log(output);
}

```

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

Anonymous function:

Script.js:

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
var name=function() {
for(let i in data)
{
    console.log("name:"+data[i].name);
    console.log("flag:"+data[i].flag);
    console.log("capital:"+data[i].capital);
}
}
name();
}

```

Arrow function:

Script.js:

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
    var name=()=>{

```

```

for(let i in data)
{
    console.log("name:"+data[i].name);
    console.log("flag:"+data[i].flag);
    console.log("capital:"+data[i].capital);
}
}
name();
}

```

**IIFE function:**

**Script.js:**

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
    (function() {
for(let i in data)
{
    console.log("name:"+data[i].name);
    console.log("flag:"+data[i].flag);
    console.log("capital:"+data[i].capital);
}}} )();
}

```

**Filter function:**

**Script.js:**

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
    var name=data.filter((item)=>{return });
for(let i in data)
{

```

```

    console.log("name:"+data[i].name);
    console.log("flag:"+data[i].flag);
    console.log("capital:"+data[i].capital);
  }
}

```

4)Print the total population of countries using reduce function?

Script.js:

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
    var total=data.reduce((acc,item)=>{
        return acc+item.population;
    },0);
    console.log(total);
}

```

5)Print the country which uses US Dollars as currency?

Script.js:

```

var request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload=function() {
    var data=JSON.parse(this.response);
    var currency=data.filter((item)=>item.currencies[0].name==="United States dollar");
    console.log(currency);
}

```

