

Day- 9

1. Solving problems using array functions on rest countries data.
 - a. Get all the countries from Asia continent /region using Filter function
 - b. Get all the countries with a population of less than 2 lakhs using Filter function
 - c. Print the following details name, capital, flag using forEach function
 - d. Print the total population of countries using reduce function
 - e. Print the country which uses US Dollars as currency.

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

```
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

```
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 popu = countryData.filter((element) => {
        return element.population < 200000;
    });
    console.log(popu);
}
```

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

```
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);
    countryData.forEach((element) => {
        console.log(element.name, element.capital, element.flag);
    });
}
```

d. Print the total population of countries using reduce function.

```
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 population = countryData.reduce((acc, element) => {
        return acc + element.population;
    }, 0);
    console.log(population);
}
```

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

```
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);
        }
    }
}
```