

TASK 4

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

```
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);
    console.log(data);
    var asianCountries = data.filter((item) => {
        return item.region === "Asia"; }).map((item) => {
        return item.name
    });
    console.log(asianCountries);
}
// output is (50) ["Afghanistan", "Armenia", ..... "Yemen"]
```

2. Get all the countries with population of less than 2 lacs using Filter function

```
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);
    console.log(data);
    var countries = data.filter(function (item) {
        return item.population < 200000;
    }).map(function (item) {
        return item.name;
    });
    console.log(countries);
}
// output is (63) [["Åland Islands", "American Samoa", ..... "Wallis and Futuna"]]
```

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

```

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);
    console.log(data);
    var result = data.forEach((element) => {
        console.log("Name of the country is", element.name);
        console.log("Capital of", element.name, "is", element.capital);
        console.log("Flag of", element.name, "is", element.flag);
    });
    console.log(result);
}

```

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

```

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);
    console.log(data);
    var totalPopulation = data.reduce(function (acc, element) {
        return acc + element.population;
    }, 0);
    console.log(totalPopulation);
}
// output is 7349137231

```

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

```

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);
    console.log(data);
    var dollarCurrency = data.filter((elem) => {

```

```
        return elem.currencies[0].symbol === "$";
    }).map((elem) => {
        return elem.name;
    });
    console.log(dollarCurrency);
}
// output is (64) ["American Samoa", "Anguilla", ... "Uruguay"]
```