TASK4 - QUESTIONS
Solving problems using array functions on rest countries data.
1. Get all the countries from Asia continent / "region" using the Filter function
2. Get all the countries with a population of less than 2 lacs using Filter function
3. Print the following details name, capital, flag using forEach function
4. Print the total population of countries using reduce function.
5. Print the country which uses US Dollars as currency.

TASK4 - ANSWERS

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

```
// step 1. create a request variable
let request = new XMLHttpRequest();
// step 2. create a connection
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
// step 3. send the request
request.send();
// step 4. load the response
request.onload = function(){
    var data = JSON.parse(this.response);
    let asianCountries = data.filter(x => x.region==='Asia');
    console.log(asianCountries);
}
```

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

```
// step 1. create a request variable
let request = new XMLHttpRequest();
// step 2. create a connection
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
// step 3. send the request
request.send();
// step 4. load the response
request.onload = function(){
    var data = JSON.parse(this.response);
    let lessPopulation = data.filter(x => x.population < 200000);
    console.log(lessPopulation);
}
```

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

```javascript
let request = new XMLHttpRequest();
request.open('GET', 'https://restcountries.eu/rest/v2/all', true);
request.send();
request.onload = function(){
    var data = JSON.parse(this.response);
    data.forEach(x => {
        console.log(x.name);
        console.log(x.capital);
        console.log(x.flag);
    });
}
```

4. Print the total population of countries using reduce function

```javascript
let 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 totalPopulation = data.reduce((sum,x) => sum + x.population, 0);
    console.log(totalPopulation);
}
```

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

```javascript
let 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);
    let currencyUSD = data.filter(x => x.currencies[0].name === "United
States dollar");
    console.log(currencyUSD);
}
```

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