1.How to compare two JSON have the same properties without order?

    a. let obj1 = { name: "Person 1", age:5 };
    b. let obj2 = { age:5, name: "Person 1" };

```
function compareJSON(obj1, obj2) {

const sortedKeys1 = Object.keys(obj1).sort();

const sortedKeys2 = Object.keys(obj2).sort();

const stringifiedObj1 = JSON.stringify(Object.fromEntries(

  sortedKeys1.map(key => [key, obj1[key]])

));


const stringifiedObj2 = JSON.stringify(Object.fromEntries(

  sortedKeys2.map(key => [key, obj2[key]])

));


return stringifiedObj1 === stringifiedObj2;

}


const obj1 = { name: "Person 1", age: 5 };

const obj2 = { age: 5, name: "Person 1" };

console.log(compareJSON(obj1, obj2));


// Output: true
```

2. Use the rest countries' API URL -> https://restcountries.com/v3.1/all and display all the country flags in the console

```
let xhr = new XMLHttpRequest();

xhr.open('GET', 'https://restcountries.com/v3.1/all', true);


xhr.onload = function () {

   if (xhr.status >= 200 && xhr.status < 300) {

      let countries = JSON.parse(xhr.responseText);


      countries.forEach(country => {

         console.log(country.flags.png);

      });

   } else {

      console.error('Failed to fetch countries: ', xhr.statusText);

   }

};


xhr.onerror = function () {

   console.error('Request error');

};


// Send the request

xhr.send();
```

3. Use the same rest countries and print all countries names, regions, sub-region and populations.

```javascript
let xhr = new XMLHttpRequest();

xhr.open('GET', 'https://restcountries.com/v3.1/all', true);


xhr.onload = function () {
   if (xhr.status >= 200 && xhr.status < 300) {
      let countries = JSON.parse(xhr.responseText);


      countries.forEach(country => {
         let name = country.name.common;
         let region = country.region;
         let subRegion = country.subregion;
         let population = country.population;


         console.log(`Country: ${name}`);
         console.log(`Region: ${region}`);
         console.log(`Sub-region: ${subRegion}`);
         console.log(`Population: ${population}`);
         console.log('---------------------');
      });
   } else {
      console.error('Failed to fetch countries: ', xhr.statusText);
   }
};
```