Assignment IV

1. Compare JSON having the same properties without order:

a. var obj1 = {name: "person 1", age:5};

b. var obj2 = {age:5, name: "person 1"};

Solution:

We will have to check if both the objects share the same prototype. If yes, then we can iterate through each property of an object and check if the other object has the same property value.

eg:

let isEqual = true;

if (Object.prototype.toString.call(obj1) === Object.prototype.toString.call(obj2))

{

{

if (! Object.keys(obj1).length !== Object.keys(obj2).length)

{

isEqual = false;

} else

{

let properties = Object.keys(obj1);

for prop in properties

{

if(! (obj1[prop] === obj2[prop]) )

{

isEqual = false;

break;

}

}

}

console.log(isEqual);

}

}

2. Use the Rest Countries Api and print all the country flags in the console

let xhr = new xmlhttprequest();

xhr.responseType = "json";

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

xhr.send();

xhr.onload = function ()

{

if (xhr.readyState === xhr.DONE && xhr.status === 200 )

{

for (var response of xhr.response)

console.log(response.flag);

}

}

3. Print all the countries name, region, sub region and population:

let xhr = new xmlhttprequest();

xhr.responseType = "json";

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

xhr.send();

xhr.onload = function ()

{

if (xhr.readyState === xhr.DONE && xhr.status === 200 )

{

for (var response of xhr.response) console.log(response.name,"-",response.region,"-",response.subregion,"-",response.population);

}

}