1. Load the rest countries data using your html and script.js file and run a for loop on the data and print all the country name in the console.

Js:

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);

var count = 0;

for(var i=0;i<data.length;i++)

{

count += data[i].population;

}

console.log(count);

}

HTML:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Rest API class</title>

</head>

<body>

<script src='script1.js'></script>

</body>

</html>

2. Give a write up on Difference between copy by value and copy by reference.

All primitive data types are copy by value All composite datatypes are copy by reference

3. How to copy by value a composite datatype (array+objects).

Var objA = {a:1}

Var objB= objA;

objA = {a:2};

objB.a;