1. **How to compare two JSON have the same properties without order?**
   1. **var obj1 = { name: "Person 1", age:5 };**
   2. **var obj2 = { age:5, name: "Person 1" };**

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

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

console.log(JSON.stringify(obj1) == JSON.stringify(obj2));

output: false

1. **Use the rest countries API url ->** [**https://restcountries.eu/rest/v2/all**](https://restcountries.eu/rest/v2/all) **and display all the country flags in console**

**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>javascript</title>

</head>

<body>

    <script src="script.js">

    </script>

</body>

</html>

**Js:**

var request = new XMLHttpRequest();

request.open('GET', 'https://raw.githubusercontent.com/rvsp/restcountries-json-data/master/res-countries.json', true);

request.send();

request.onload = function () {

    var data = JSON.parse(request.response);

      for (var i in data){

        console.log(data[i].flag)

      }

            }

1. **use the same rest countries and print all countries name, region, sub region and population**

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request.onload = function () {

    var data = JSON.parse(request.response);

      for (var i in data){

        console.log(data[i].name,data[i].region,data[i].subregion,data[i].population)

      }

            }

1. **simple programs to do for variables**
2. **how to get the value of the variable myvar as output**

**code:**

var myvar= 1;

console.log(myvar);

**output: 1**

1. **Declare variables to store your first name, last name, marital status, country and age in a single line**

**Code:**

var firstName = "John",

lastName = "Doe",

maritalStatus = "single",

country="india",

age="22"

1. **Simple programs to do for operators**
2. **Square of a number**

**Code:**

var x=7;

var square=Math.pow(x,2);

console.log(square);

1. **Addition of 3 numbers**

**Code:**

var x=5;

var y=3;

var z=10;

var addition=x+y+z;

console.log(addition)

1. **Celsius to Fahrenheit conversion**

**Code:** var cel=40;

var fah=(cel\*1.8)+32;

console.log(fah)

1. **Calculate simple interest**

**Code:**

var p, t, r, SI;

p = 15;

t = 12;

r = 12;

SI = (p \* t \* r) / 100;

console.log(SI)

1. **Area of triangle**

**Code**:

const side1 = 3;

const side2 = 4;

const side3 = 5;

const s = (side1 + side2 + side3) / 2;

const areaValue = Math.sqrt(

s \* (s - side1) \* (s - side2) \* (s - side3));

console.log(areaValue);

1. **Write loop that makes seven cells to console.log to output the following triangle**

**Code:**

let traingle =''

for(let i=0;i<7;i++){

traingle+="#";

console.log(traingle)

}

1. **Write a code to print the numbers in the array**

**Output: 1234567891011**

**Code:**

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];

var new\_string = "";

for (var i = 0; i < 11; i++) {

new\_string += numsArr[i]

}

console.log(new\_string);