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" };

CODE:

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

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

var flag=true;

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

for(var key in obj1) {

if(obj1[key] == obj2[key]) {

continue;

}

else {

flag=false;

break;

}

}

}

else {

flag=false;

}

console.log("is object equal"+flag);

2. Use the rest countries API url -><https://restcountries.eu/rest/v2/all> and display all the country flags in console

CODE:

var request = new XMLHttpRequest();

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

request.send();

request.onload = function () {

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

console.log(data);

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

console.log(data[i].flag);

}

}

3.Use the same rest countries and print all countries name, region, sub region and population

CODE:

var request = new XMLHttpRequest();

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

request.send();

request.onload = function () {

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

console.log(data);

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

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

}

# }

# **Task 1: Simple Programs todo for variables**

1. Declare four variables without assigning values and print them in console

**Code:**

**var a;**

**var b;**

**var c;**

**var d;**

**console.log(a,b,c,d);**

2.How to get value of the variable myvar as output

Code:

var myvar=20;

console.log(myvar);

3. Declare variables to store your first name, last name, marital status, country and age in multiple lines

Code:

var firstName= "swetha";

lastName = "ravichandran";

age=22;

maritalStatus="single";

country="india";

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

Code:

var firstName= "swetha",lastName = "ravichandran",age=22,maritalStatus="single",country="india";

5. Declare variables and assign string, boolean, undefined and null data types

Code:

String---var firstName= "swetha";

Boolean---var s1=true;

Undefined---var s2;

# **Task 2: Simple Programs todo for Operators**

1.Square of a number

Code:

function square(num){

return num \* num;

}

console.log(square(16));

1. Addition of 3 numbers

Code:

function add(a,b,c){

return a+b+c;

}

console.log(add(12,10,20));

console.log(add(67,90,11));

# **Task 3: Simple Programs todo for Condition , Looping and Arrays**

1. Write a loop that makes seven calls to console.log to output the following triangle:

Code:

for (let i= "#"; i.length < 8; i+="#")

console.log(i);

Create an array called foods holds the names of your top 20 favorite foods, starting with the best food.

let foods=[]

— — — — — — — — — — — — — — — -  
Foods variable holds the names of your top 20 favorite foods, starting with the best food. How can you find your fifth favorite food?

let foods=[]

Find the length of your foods array

Code:

let food=[];

food=["biriyani","idli","sambar","dosa","icecream","milkshake","sweet","chocolate","rasamalai","chicken","egg","parotta","cake","pizza","burger"];

console.log(food[4]);

console.log(food.length);