**Batch-28:**

**1st  and 2nd session task are same and task submitted:**

**1 a, b and c to read**

1. To read:
   1. <https://stackoverflow.com/questions/1517582/what-is-the-difference-between-statically-typed-and-dynamically-typed-languages>
   2. <https://stackoverflow.com/questions/17253545/scripting-language-vs-programming-language>
   3. <https://cs.lmu.edu/~ray/notes/paradigms/>
2. Write a blog on Difference between HTTP1.1 vs HTTP2- Done
3. Write a blog about objects and its internal representation in Javascript- Done
4. codekata practice- Have to do
5. Write a blog about objects and its internal representation in Javascript

<https://github.com/reach2arunprakash/javascript-101/tree/master/ppt-> Have to visit and read

**3rd session task: Submitted in portal**

**JSON Resume**

var resume=

{

"profile" : {"Name": "Harish Parameswaran","Email":"shibubozz@gmail.com",

"PH":"8807225880", "Locality": "India","Education":"BCA",

"Professional\_Experince":{"Experience":"Overall 2 Years experienced Professional proficient in Release Management (L2 Support)", "Company":"COGNIZANT", "Client":"Disney", "Designation": "Programmar\_Analyst"},

"summary": [

{"Summary1": "Overall 2 Years experienced Professional proficient in Release Management (L2 Support) "},

{"Summary2": "Performance-driven and knowledgeable person with a proven track record of success in stabilizing production processes, procedures, bug fixes, providing support to the employees, and improving the whole production system"},

{"Summary3": "Great communicator with strong attention to detail and accuracy, excellent time management skills "} ],

"highlights":["Exceptional computer productivity software skills.",

"Excellent eye for detail in any business process.",

"Very strong corporate presentation abilities.",

"Very refined and observant problem solving skills.",

"Dedicated employee who is willing to work long hours and has never missed a scheduled deadline."

],

"Skills":{"tools":["MS offics", "JS", "Service manager","service now"],

"Functional\_and\_Behavioural": ["Good time management ensures I finish projects by associated deadlines even if I have multiple tasks going on at the same time",

"Creative thinker able to come up with a wide variety of solutions to the same problem",

"Excel at solving complex problems by identifying the issue and developing and implementing a solution.",

"Strong communication skills allow me to discuss complex issues with coworkers and explain technical jargon in an easy-to-understand way for customers."

]},

"Awards\_&\_Achievements":"Awarded Cognizant Amber cheer award for maintaining Business continuity during COVID crisis",

"certification":{

"Certified":{"Azure":"Az-900",

"MS\_office":["Excel", "PowerPoint", "Word", "outlook"],

"Functional": ["client\_interaction", "Unconcious\_bias", "Leadership\_qualities", "self\_branding"],

"Behavioural":["self\_essentials", "Critical\_thinking", "No\_justifies\_no"]

}

}

}

};

console.log("Always welcome to see my short resume. Please see below for details and for any specifies details to be shown then please use dot operator to see it. Thanks");

console.log(resume.profile);

For in loop by removing profile its works:

for (i in resume){console.log(i, resume[i]);

}

By adding profile also it works:

for (i in resume.profile)

{

console.log(i);

}

And to find length in JSON Object.keys(Objectname).length

var count= Object.keys(resume.profile).length;

console.log(count);

Graphical user interface, text, application

Description automatically generated

This question has to be asked in 4th session

For loop have to check:

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

{

console.log(resume.profile[i]);

}

for(Var i=0;i<Object.keys(obj).length;i++){

Console.log(obj[i])}

Difference between window, Screen and document: Checked and have to check again if needed

Codekata practice: This has to be done.

**4th session task:**

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" };

var flag=true;

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

    for(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 flag in  console

Index.html:

l̥<!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>Document</title>

</head>

<body>

    <script src="rest.js"></script>

</body>

</html>

Rest.js

//XML  HTTP REQUEST(xhr) (VIA API)

// Step 01: create a XHR object

var  request= new XMLHttpRequest();

//Step 02:initatiate a connection(starting a connections)

//true is used if your api doesnot want to affect the remaining  execution of your code

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

//step 03: sending a connection

request.send();

//step 04: once the data has been received successfully from server we need to extract te data  from JSON

//some conversion is needed here

request.onload=function(){

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

//loops for printing the flags of all countries

for (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

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Rest.JS file:

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//step 04: once the data has been received successfully from server we need to extract te data  from JSON

//some conversion is needed here

request.onload=function(){

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

//loops for printing the name, region and subregion of all countries

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

    console.log(data[i].name.common+" "+data[i].region+" "+data[i].subregion );

}

4.  <https://medium.com/@reach2arunprakash/www-guvi-io-zen-d395deec1373-> Have to read and update/work myself

**5th session yet to be submitted**

**6th session yet to be submitted**