1. Using All For Loops to iterate over the give JSON:

Let the JSON be:

Json = {

"id": "0001",

"type": "donut",

"name": "Cake",

"ppu": 0.55,

"batters":

{

"batter":

[

{ "id": "1001", "type": "Regular" },

{ "id": "1002", "type": "Chocolate" },

{ "id": "1003", "type": "Blueberry" },

{ "id": "1004", "type": "Devil's Food" }

]

},

"topping":

[

{ "id": "5001", "type": "None" },

{ "id": "5002", "type": "Glazed" },

{ "id": "5005", "type": "Sugar" },

{ "id": "5007", "type": "Powdered Sugar" },

{ "id": "5006", "type": "Chocolate with Sprinkles" },

{ "id": "5003", "type": "Chocolate" },

{ "id": "5004", "type": "Maple" }

]

}

**For Loop**:

for (i =0; i < Object.keys(json).length; i ++)

{

console.log(Object.keys(json)[i]);

}

**For in Loop:** // for each key in JSON

for key in json

{

console.log(json[key]);

}

**For of Loop:** // for each value in JSON

for value of json

{

console.log(value);

}

**For Each loop**: For each is a property of array. Thus it cannot be used for Key Value pairs.

json.topping.forEach((value,index)=>console.log(index+”: “+value));

2. **Resume represented as JSON**:

JSON - JavaScript Object Notation. It comprises of two parts:

* A collection of name/value pairs.
* An ordered list of values.

Below is my basic resume represented as JSON:

Var About\_Me = {Name: “Gokulnath R”,

Age : 24;

‘D.O.B’: ‘09-02-1998’;

Address: [Current Address, Permanent Address],

Languages\_Known: Languages\_Known,

Nationality: “India”};

Var Languages\_Known = [“Tamil”, “English”];

Var Current\_Location = {Door No: “A112”, Street: “Habitera Appartments”, City: “Urapakam”,District: “Kanchipuram”, State: “Tamil Nadu”, Country: “India”};

Var Permanent\_Address = {Street: “44/95”, Street:”Kavetty Layout”; City: “Sowripalayam”, District: “Coimbatore”, State: “Tamil Nadu”, Country: “India”};

Var Education [SSLC, HSC, UG];

Var SSLC = {School: “Annai Velankanni Matriculation Higher Secondary School”, Year: 2013; Percentage: 97.6};

Var HSC = {School: “Annai Velankanni Matriculation Higher Secondary School”, Year: 2015; Percentage: 92};

Var UG = {College: “Sri Krishna College of Technology”, Year: 2019; Percentage: 9.6};

Var Experience = [{Designation: “Techincal Support Engineer”, Company: “Zoho Corporation Private Limited”, Years\_Of\_Experience: 3, Job\_Description: “I work for the team Zoho Expense. I’m part of Zoho Expense’s Onboarding team. My role is to understand the current expense management practice of new customer and ensure a seamless transition to our product”}];

Let **myResume** =[About\_Me, Education, Experience];

3. Window vs Screen vs Document

Window is the main JavaScript object root, aka the global object in a browser, and it can also be treated as the root of the document object model. We can access it as window. Since window is the global object, we can reference any properties of it with just the property name - so we do not have to write down window. - it will be figured out by the runtime.

Screen or just screen is a small information object about physical screen dimensions.

Document is the main object of the potentially visible document object model/DOM.