1. **For given json iterate over all for loop**

let req = new XMLHttpRequest()

req.open('GET','https://restcountries.com/v3.1/all')

req.send()

req.onload=function(){

const data = JSON.parse(req.response)

// Common for loop

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

console.log(data[i].name["common"])

}

// for – in loo

for(let keys in data){

console.log(data[keys])

}

//for – of loop

for(let val of data){

console.log(val.area)

}

}

//foreach loop

Data.foreach(arrFunction)

Function dataFunction(val, key , arr){

Console.log(val.name)

}

1. **Create resume in json format**

      let obj =  {

  "basics": {

    "name": "NITESH TEMBE",

    "label": "PHP Developer",

    "email": "niteshtembe555@gmail.com",

    "phone": "+91 7887700730",

    "location": {

      "address": "Boisar",

      "pin code": "401501",

      "city": "Mumbai",

      "state": "Maharastra",

      "country": "India",

      "countryCode": "IN"

    }

  },

  "work": [{

    "name": "DAtavista Solutions",

    "position": "PHP Developer",

    "url": "http://datavistasolutions.com/",

    "startDate": "2016-10-01",

    "endDate": "2018-06-31",

    "summary": "Full stack Developer",

    "highlights": [

      "Working on school management system project"

    ]

  }],

  "internship": [{

    "organization": "Karandikar Laboratories Pvt Ltd.",

    "position": "developer",

    "url": "",

    "startDate": "2015-03-01",

    "endDate": "2016-02-31",

    "summary": "build customized ERP system on LAN"

  }],

  "education": [{

    "institution": "Mumbai University",

    "area": "Computer Science",

    "course": "Bachelor of Engenieering"

  }],

  "skills": [{

    "name": "Web Development",

    "level": "Advance",

    "keywords": [

      "HTML",

      "CSS",

      "JavaScript",

    ]

  }],

  "languages": [{

    "language": "English",

    "fluency": ["read", "write", "speak" ]

  },

{

    "language": "Hindi",

    "fluency": ["read", "write", "speak" ]

  },

{

    "language": "Marathi",

    "fluency": ["read", "write", "speak" ]

  }],

  "interests": [{

    "name": "Playing Sports",

    "keywords": [      "cricket",   "football"    ]

  }],

  "projects": [{

    "name": "SchoolZone",

    "description": "School Management System",

    "highlights": [

      "It is use from Admission, certificate generation, online quiz"

    ],

    "keywords": [

      "HTML",

    "CSS",

    "Javascript",

    "PHP",

    "Bootstrap",

    "Mysql"

    ],

    "roles": [

      "Full Stack Developer",

    "Senior Developer"

    ],

    "type": "web application"

  }]

}

console.log(obj)

**3, Difference Between window , screen and document :**

WINDOW :

* The JavaScript **window** object sits at the top of the JavaScript Object hierarchy and represents the browser window.
* All global JavaScript objects , functions, and variables automatically become members of the window object.
* Each browser tab has its own top-level window object. The window is the first thing that gets loaded into the browser .
* This window object has the majority of the properties like length, innerWidth, innerHeight, name, if it has been closed, its parents, and more.
* The window object holds things like window.location, window.history, window.screen, window.status, or the window.document .
* Window is in top of **browser object model**(BOM)
* Syntax : **window.**property\_name
* Some Properties : window.innerHeight - the inner height of the browser window (in pixels)

window.innerWidth - the inner width of the browser window (in pixels)

SCREEN :

* Screen is a small information object about physical screen dimensions .
* It can be used to display screen width, height, colorDepth, pixelDepth etc.
* It is not mandatory to write window prefix with screen object.
* It can be written without window prefix.
* Screen is the part of **browser object model (BOM)**
* Syntax : **window.screen.**property\_name or **screen.**property\_name
* Some Properties: screen.width

screen.height

DOCUMENT :

* The Document interface represents any web page loaded in the browser and serves as an entry point into the web page's content, which is the DOM tree.
* When an HTML document is loaded into a web browser , it becomes a document object.
* It is the root node of the HTML document.
* **Document** is the part of both **Document Object Model** and **Browser Object Model**
* Syntax : **window.document.**property\_name or **document.**property\_name
* Some Properties: document.title

document.links

document.body