**1.For the given JSON iterate over for loop and for in loop.**

1. **FOR IN LOOP: (JSON)**

**var** studentname ={"name": "ram",

"age": 30,

"email": "ram12@example.com",

"city": "tamil nadu",

"state": "salem",

"gender": "male",

" address":{

"street": "123 Main St",

"city": "salem",

"state": "tamil nadu",

"zip": "637104"

},

};

1. for (var a in studentname){

console.log(a,studentname[a]); };

1. for (var a in studentname.address){

console.log(a,studentname.address[a]); };

1. **FOR LOOP: (array of JSON)**

var arr = [{"name":"johndoe","age":"23"},

{"name":"mary","age":"24"}];

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

console.log(arr[i].name);

};

**2. Create your own resume data in JSON format**

var resume={

  "name": "Prasath Kumar A",

  "title": "full stack developer",

  "contact": {

    "email": "prasath@gmail.com",

    "phone": "123456789",

    "address": "123 Main St, TN"

  },

  "summary": "Experienced full stack developer with expertise in HTML, CSS, and JavaScript. Skilled in developing web applications, data analysis, and machine learning.",

  "experience":

    {

      "title": "MERN developer",

      "company": "Acme Corp",

      "start\_date": "2018-01-01",

      "end\_date": "2022-01-01"

    },

  "education":

    {

      "degree": "Bachelor of Science",

      "institution": "TNAU ",

      "graduation\_date": "2022-08-01"

    },

  "skills": [

    "HTML",

    "CSS",

    "JavaScript",

    "AngularJS",

    "Machine Learning"

  ]

}

3. Difference between window, screen and document in JavaScript

**window:**

* The window object represents the browser window or tab that the current web page is displayed in.
* It is the top-level object in the browser's object hierarchy, and provides access to many of the browser's features, such as the location bar, history, and the ability to open new windows or tabs.

* The window object is also the global object in client-side JavaScript, which means that any variables or functions that are defined globally are properties of the window object.

**screen:**

* The screen object represents the physical display that the web page is being rendered on.
* It provides information about the screen's size and resolution, and can be used to determine the optimal size and layout for a web page.

**document:**

* The document object represents the web page itself, and provides access to all of the content and elements on the page.
* It can be used to manipulate the page's HTML, CSS, and JavaScript, and to add or remove elements from the page dynamically.
* The document object is a property of the window object, and can be accessed using the window.document property.