**Question: 1**

**For the given JSON iterate over all for loops (for, for in, for of, forEach)**

**FOR LOOP:**

let studentDetails = [{

    "rollNo": "1",

    "name": "Rahul",

    "class": "X",

    "age": "15",

    "location": "Chennai, Tamilnadu"

}, {

    "rollNo": "2",

    "name": "Kumaran",

    "class": "X",

    "age": "15",

    "location": "Salem, Tamilnadu"

}]

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

  console.log(studentDetails[i])

}

**FOR-IN LOOP:**

let studentDetails = [{

    "rollNo": "1",

    "name": "Rahul",

    "class": "X",

    "age": "15",

    "location": "Chennai, Tamilnadu"

}, {

    "rollNo": "2",

    "name": "Kumaran",

    "class": "X",

    "age": "15",

    "location": "Salem, Tamilnadu"

}]

for (let index in studentDetails) {

  console.log(studentDetails[index])

}

**FOR-OF LOOP:**

let studentDetails = [{

    "rollNo": "1",

    "name": "Rahul",

    "class": "X",

    "age": "15",

    "location": "Chennai, Tamilnadu"

}, {

    "rollNo": "2",

    "name": "Kumaran",

    "class": "X",

    "age": "15",

    "location": "Salem, Tamilnadu"

}]

for (let value of studentDetails) {

  console.log(value)

}

**FOR-EACH LOOP:**

let studentDetails = [{

    "rollNo": "1",

    "name": "Rahul",

    "class": "X",

    "age": "15",

    "location": "Chennai, Tamilnadu"

}, {

    "rollNo": "2",

    "name": "Kumaran",

    "class": "X",

    "age": "15",

    "location": "Salem, Tamilnadu"

}]

studentDetails.forEach(function (value) {

  console.log(value)

})

**Question: 2**

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

let resume = [{

    "name": "THODDUSAMY G",

    "email": "arungts8845@gmail.com",

    "phoneNo": "824XXXXXX8",

    "location": [{

        "address": "31/3 Munisip thottam, Kondalampatty By-pass",

        "city": "Salem",

        "pinCode": "636010"

    }],

    "careerObjective": "Seeking challenging responsibilities in a personal environment where my analytical, application knowledge and problem solving skills can be put in for the mutual growth of the organization and myself.",

    "experience": [{

        "companyName": "Mahendra Nextwealth IT india pvt. ltd",

        "desgination": "Subject Matter Expert",

        "duration": "05.10.2020-27.03.2022"

    }],

    "education": [{

        "institution": "Mahendra arts & science college",

        "domain": "B.Sc Mathematics",

        "passedOut": "2019",

        "CGPA": "6.5"

    }],

    "skills": "MS-OFFICE, Photoshop",

    "interests": "Development, Artificial Intelligence",

    "languagesKnown": "English, Tamil, Kannada",

    "hobbies": "Hearing Songs, Photography",

    "personalInformation": [{

        "fathersName": "Gopalakrishnan T",

        "dateOfBirth": "18.04.1999",

        "gender": "Male",

        "nationality": "Indian"

    }],

    "declaration": "I hereby declare that all the details furnished above are true to the best of my knowledge and belief."

}]

for (let index in resume) {

  console.log(resume[index])

}

**Question: 3**

**Read about the difference between window, screen and document in javascript**

**Window:**

* The JavaScript **window object** sits at the top of the JavaScript Object hierarchy and represents the browser window. The window object is supported by all browsers. All global **JavaScript objects**, functions, and variables automatically become members of the 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, inner Width, name, if it has been closed, its parents, and more.
* The window object represents the current **browsing context**. It holds things like window.location, window.history, window.screen, window.status, or the **window.document** . Each browser tab has its own top-level window object. Each of these windows gets its own separate global object. window.window always refers to window, but **window.parent** and window.top might refer to enclosing windows, giving access to other execution contexts. Moreover, the window property of a window object points to the window object itself. So the following statements all return the same window object:

**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.

**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.
* The document actually gets loaded inside the window object and has properties available to it like title, URL, cookie, etc. HTML documents, served with the **"text/html"** content type, also implement the HTML Document interface, whereas XML and SVG documents implement the XML Document interface.