1. **create your own resume data in JSON format**

**{**

**"name": "Sathish N",**

**"contact": {**

**"email": "sathishn001@gmail.com",**

**"phone": "+919841625795",**

**"address": "327 Madhurai Veeran Street, Gummidipoondi"**

**},**

**"summary": "Begineer in Software engineer with a passion for building scalable web applications. Skilled in full-stack development with expertise in JavaScript, Node.js, React, and MongoDB.",**

**"experience": [**

**{**

**"position": "Production",**

**"company": "Tulsyan Nec Limited.",**

**"location": "Chennai",**

**"dates": "April 2024 - Present",**

**"responsibilities": [**

**"Feeding Production Data in SAP."**

**]**

**},**

**"education": [**

**{**

**"degree": "Bachelor of Engineering in Electrical & Electronics Engineering",**

**"institution": "Anna University",**

**"location": "Chennai",**

**"dates": "2013 - 2017"**

**}**

**],**

**"skills": [**

**"JavaScript",**

**"Node.js",**

**"React",**

**"MongoDB",**

**"HTML",**

**"CSS",**

**"RESTful APIs",**

**"Git",**

**"Agile Development"**

**]**

**}**

1. **for the above JSON, iterate over all for loops (for, for in, for of, forEach)**

* **Using a for loop:**

const resume = {

// JSON data here...

};

for (let key in resume) {

if (Array.isArray(resume[key])) {

console.log(key + ":");

resume[key].forEach(item => {

console.log(item);

});

} else if (typeof resume[key] === 'object') {

console.log(key + ":");

for (let subKey in resume[key]) {

console.log(subKey + ": " + resume[key][subKey]);

}

} else {

console.log(key + ": " + resume[key]);

}

}

* **Using a for in loop:**

for (let key in resume) {

if (Array.isArray(resume[key])) {

console.log(key + ":");

resume[key].forEach(item => {

console.log(item);

});

} else if (typeof resume[key] === 'object') {

console.log(key + ":");

for (let subKey in resume[key]) {

console.log(subKey + ": " + resume[key][subKey]);

}

} else {

console.log(key + ": " + resume[key]);

}

}

* **Using a for of loop:**

for (let key in resume) {

if (Array.isArray(resume[key])) {

console.log(key + ":");

for (let item of resume[key]) {

console.log(item);

}

} else {

console.log(key + ": " + resume[key]);

}

}

* **Using the forEach method:**

Object.keys(resume).forEach(key => {

if (Array.isArray(resume[key])) {

console.log(key + ":");

resume[key].forEach(item => {

console.log(item);

});

} else {

console.log(key + ": " + resume[key]);

}

**});**