**2.** **For the Task-1 JSON, Iterating over all "for" loops (for, for in, for of, forEach).**

**🡪Coding::**

const resumeData = {

"name": "S.Sam Perinba Nayagan",

"email": "sampn91@gmail.com",

"phone": "8870225533",

"address": "New Colony, Bangalore",

"summary": "Expert Web Developer. Skilled in JavaScript, HTML, CSS, and various web frameworks. Passionate about creating efficient and user-friendly applications.",

"education": [

{

"degree": "Master in Engineering",

"university": "Anna University",

"location": "Coimbatore, India",

"graduationYear": 2015

}

],

"experience": [

{

"title": "Software Engineer",

"company": "Glad Software Solutions",

"location": "Bangalore, India",

"StartDate": "2021-03-01",

"EndDate": "Present",

"responsibilities": [

"Developed and maintained web applications using JavaScript, HTML, and CSS.",

"Collaborated with cross-functional teams to deliver projects on time and within budget.",

"Participated in code reviews and provided constructive feedback to team members."

]

}

],

"skills": [

"JavaScript",

"HTML",

"CSS",

"React",

"Angular",

"Node.js",

"Git",

]

};

// Using for loop

console.log("Using for loop:");

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

console.log(resumeData.education[i]);

}

// Using for...in loop

console.log("\nUsing for...in loop:");

for (let key in resumeData) {

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

console.log(key + ": ");

resumeData[key].forEach(item => console.log(item));

} else {

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

}

}

// Using for...of loop

console.log("\nUsing for...of loop:");

for (let experience of resumeData.experience) {

console.log(experience);

}

// Using forEach loop

console.log("\nUsing forEach loop:");

resumeData.skills.forEach(skill => console.log(skill));

**🡪Explanation::**

In this code:

* I used a **for** loop to iterate over the **education** array.
* I used a **for...in** loop to iterate over the properties of the **resumeData** object. I checked if the value is an array, and if so, I used **forEach** to iterate over its elements.
* I used a **for...of** loop to directly iterate over the elements of the **experience** array.
* I used **forEach** to iterate over the **skills** array.

**🡪Output::**

