**1.Let us assume a small json of personal details and below are the iterations over all keys using for , for in , for of , forEach.**

const personDetails = {

name: "Rahul Gupta",

age: 25,

email: "rahulgupta@26111997@gmail.com",

address: "123 Street",

city: "Bengaluru",

country: "India"

};

1. **for loop**

for (const key in personDetails)

{

console.log(`${key}: ${personDetails[key]}`);

}

1. **for in loop**

for (const key in personDetails)

{

if (personDetails.hasOwnProperty(key))

{

console.log(`${key}: ${personDetails[key]}`);

}

}

1. **for of loop**

for (const [key, value] of Object.entries(personDetails))

{

console.log(`${key}: ${value}`);

}

1. **forEach loop**

Object.entries(personDetails).forEach(([key, value]) => {

console.log(`${key}: ${value}`);

});

**2.Create Json for your Resume**

{

"PersonalDetails": {

"Name": "Rahul Gupta",

"Phone": "+91-7080677160",

"Email": "rahulgupta26111997@gmail.com",

"LinkedIn": "LinkedIn"

},

"TechSkills": {

"Proficient": ["DataStage", "Microsoft SQL Server", "ETLs", "Shell Scripting"],

"Familiar": ["HTML", "CSS", "JavaScript", "Core Java", "Python"]

},

"WorkExperiences": [

{

"Position": "System Engineer",

"Company": "TCS",

"Duration": "October 2020 - Present",

"Description": "Worked on a BFSI project for a recognized European Bank as a Developer and Integration Tester in the TRF region. Core responsibilities included developing, testing, and maintaining services, cross-team collaboration, scripting, documentation, defect analysis, and guiding teammates. Acted as a key support between the Development and Production environments. Proficient in data analysis using SQL queries."

},

{

"Position": "Embedded SE",

"Company": "Experts Hub",

"Duration": "December 2018",

"Description": "Real-time home automation with various IoT components. Designed and developed the system from hardware assembly and software integration. Key learnings included Raspberry Pi, Putty, Python, circuit design, fabrication, and Matlab."

},

{

"Position": "Trainee",

"Company": "BSNL",

"Duration": "December 2017",

"Description": "Telecom and Networking In-plant training with hands-on lab activity. Key learnings included Networking Protocols, Switching Techniques, and Optical fiber systems."

}

],

"Projects": [

{

"Title": "NATURALISTIC DRIVING SIMULATION USING AUTOMATION",

"Duration": "September 2019 - April 2020",

"Description": "Worked on a project discussing level 3 autonomous vehicles simulation using computer vision and deep learning techniques. Presented and published the paper in the 4th International Conference on Soft Computing and Signal Processing (ICSSP)."

}

],

"Education": {

"Duration": "2016 - 2020",

"Degree": "B. Tech in Electronics and Communication Engineering",

"Institution": "SRM - Chennai"

},

"ActivitiesAndAchievements": [

"NPTEL Certification on Introduction to C",

"Coursera Certification in Python Data Structures",

"Acted as committee Head in Aaruush- National Techno-management fest."

]

}

**3.Differences between Windows ,Screen and Document in JS**

window, screen, and document are three distinct objects with different purposes. Here are the key differences between them:

**Window Object (window):**

* The window object represents the browser window or the global context for JavaScript in a web page.
* It is the top-level object and is accessible globally, so you can access it without explicitly specifying a window.
* It contains properties and methods that provide access to various aspects of the browser, including functions like alert(), setTimeout(), and setInterval().
* It can be used to manipulate the browser window itself, such as resizing, moving, or closing it.
* It is the parent object for both the screen and document objects.

**Screen Object (screen):**

* The screen object represents the physical screen or monitor where the web page is being displayed.
* It provides information about the screen's dimensions, including width, height, color depth, and pixel density.
* You can use properties of the screen object to determine the available screen real estate, which can be useful for optimizing the layout and presentation of web content.
* Example properties include screen.width, screen.height, and screen.colorDepth.

**Document Object (document):**

* The document object represents the HTML document currently being displayed in the browser.
* It is part of the Document Object Model (DOM) and allows you to interact with and manipulate the content of the web page.
* You can access and modify elements, attributes, and text within the document using JavaScript.
* It provides access to various methods and properties for handling events, selecting elements, and making changes to the page's structure and content.
* Example properties and methods include document.getElementById(), document.querySelector(), and document.title.

In summary, while window is the global context for JavaScript in the browser and provides various browser-related features, screen is focused on screen-specific properties, and document represents the HTML content and structure of the currently loaded web page. Each object serves its specific purpose in web development.