

Activities

JavaScript - Day -3 : JS array & objects

25/02/2023 - Saturday - 10:00 AM : 1:00 PM

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

Code:

```
const data = {
  "name": "subaash",
  "age": 20,
  "city": "Erode"
};

//for loop
for (let key in data) {
  console.log(`${key} : ${data[key]}`);
}

//for..in loop

for (const key in data) {
  if (data.hasOwnProperty(key)) {
    console.log(key + " : " + data[key]);
  }
}

//for..of loop

const entries = Object.entries(data);
for (const [key, value] of entries) {
  console.log(`${key}: ${value}`);
}

//forEach loop

const dataArray = Object.entries(data);
dataArray.forEach(([key, value]) => {
  console.log(`${key}: ${value}`);
});
```

2. Create your own resume data in JSON format.

Code:

```
let Resume =
{
  "Name": "Subaash",
  "Email": "g.subaash04072002@gmail.com",
  "Phone": "9514474101",
  "Address": "23/1 ,subash Nagar,Pallipalayam,Erode,TamilNadu,zip,638008",

  "skills":
  [
    "Programming languages: Java, C, JavaScript"
  ],
  "education":
  [
    {
      "degree": "Bachelor of Engineering in Electronics and
Communication Engineering ",
      "Institution": "Karpagam College of Engineering, Coimbatore",
      "graduation_date": "May 2023"
    },
    {
      "degree": "HSC",
      "Institution": "SSM Lakshmi Ammal Matric Higher Secondary
School,Namakkal",
      "graduation_date": "March 2019"
    },
    {
      "degree": "SSLC",
      "Institution": "SSM Lakshmi Ammal Matric Higher Secondary
School,Namakkal",
      "graduation_date": "March 2017"
    },
  ],
  "PROJECT":
  [
    {
      "Simple Laser Security Device" : "This device alert the user by
given buzzer sound when the laser light was interrupted.",
    }
  ]
}
```

```
        "Range Finder": "Using Arduino and ultrasonic sensor. It shows accurate distance of the object."
    },
    ],
    "INTERNSHIP":
    [
        "WEB APPLICATION PROGRAM at MVN Evolution (01/05/2021) - (30/05/2021)",
        " I learned the Introduction and basics of HTML5."
    ],

    "certifications":
    [
        {
            "name": "Introduction to HTML5",
            "date": "June 2021",
        }
    ],
    "SOFT SKILLS":
    [
        {
            "(": "Good at leadership and administrative quality.",
            "(": "Good at Time Management and adaptable to any working conditions.",
            "(": "Active listener and Attentive learner."
        }
    ],
};
```

3. Read about the difference between window, screen, and document in JavaScript

In JavaScript, there are three objects that are used to interact with web pages: **window**, **screen**, and **document**.

The **window** object represents the browser window or tab that the web page is loaded in. It provides access to various properties and methods related to the browser window, such as its size, URL, and the ability to open or close new browser windows.

The **screen** object represents the physical display screen of the device running the browser. It provides information about the screen size, resolution, and colour depth.

The **document** object represents the web page that is currently loaded in the browser window. It provides access to various properties and methods related to the web page's structure, content, and behaviour. The **document** object is used to manipulate the HTML and CSS of the page, as well as to add or remove elements from the page.

So, the **window**, **screen**, and **document** objects all have different roles in JavaScript and are used for different purposes when interacting with web pages.