**JSON iterating with for, for in, for of, for each loops:**

**For loop program:**

let details =

[

{

name:"Naveen",

age:23,

email:"naveen@gmail.com",

address:"36,abcstreet,Coimbatore"

},

{

name:"Nemo",

age:25,

email:"nemo@gmail.com",

address:"40,xyzstreet,Chennai"

},

{

name:"Dhoni",

age:41,

email:"msd@gmail.com",

address:"7,msdStreet,Ranchi"

}

]

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

{

console.log("Name:"+details[i]["name"]+", Age:"+details[i]["age"]+", Address:"+details[i]["address"]);

}

Result:

Name:Naveen, Age:23, Address:36,abcstreet,Coimbatore

Name:Nemo, Age:25, Address:40,xyzstreet,Chennai

Name:Dhoni, Age:41, Address:7,msdStreet,Ranchi

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**For in loop program:**

let details =

[

{

name:"Naveen",

age:23,

email:"naveen@gmail.com",

address:"36,abcstreet,Coimbatore"

},

{

name:"Nemo",

age:25,

email:"nemo@gmail.com",

address:"40,xyzstreet,Chennai"

},

{

name:"Dhoni",

age:41,

email:"msd@gmail.com",

address:"7,msdStreet,Ranchi"

}

]

for(let i in details)

{

console.log("Name:"+details[i]["name"]+", Email:"+details[i]["email"]+", Address:"+details[i]["address"]);

}

Result:

Name:Naveen, Email:naveen@gmail.com, Address:36,abcstreet,Coimbatore

Name:Nemo, Email:nemo@gmail.com, Address:40,xyzstreet,Chennai

Name:Dhoni, Email:msd@gmail.com, Address:7,msdStreet,Ranchi

—------------------------------------------------------------------------------------------------------------------

**For of loop program:**

let details =

[

{

name:"Naveen",

age:23,

email:"naveen@gmail.com",

address:"36,abcstreet,Coimbatore"

},

{

name:"Nemo",

age:25,

email:"nemo@gmail.com",

address:"40,xyzstreet,Chennai"

},

{

name:"Dhoni",

age:41,

email:"msd@gmail.com",

address:"7,msdStreet,Ranchi"

}

]

for(let [key,value] of Object.entries(details))

{

console.log(value);

}

Result:

{

name: 'Naveen',

age: 23,

email: 'naveen@gmail.com',

address: '36,abcstreet,Coimbatore'

}

{

name: 'Nemo',

age: 25,

email: 'nemo@gmail.com',

address: '40,xyzstreet,Chennai'

}

{

name: 'Dhoni',

age: 41,

email: 'msd@gmail.com',

address: '7,msdStreet,Ranchi'

}

—----------------------------------------------------------------------------------------------------------------

**ForEach loop Program:**

let details =

{

name:"Naveen",

age:23,

email:"naveen@gmail.com",

address:"36,abcstreet,Coimbatore"

}

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

{

console.log(key+": "+value);

})

Result:

name: Naveen

age: 23

email: naveen@gmail.com

address: 36,abcstreet,Coimbatore

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**Resume using JSON:**

Program:

let Resume =

{

name:"Naveen",

age:23,

email:"naveen@gmail.com",

Mobile:[2132312311,4564456456],

address:

{

plotno:36,

street:"abc street",

city:"Coimbatore"

},

School:

{

School\_Name:"LMHS School",

SSLC\_mark: 91,

HSC: 90,

Location: "Coimbatore"

},

College:{

College\_Name:"SECE",

Mark: 80,

Course: "B.E. - Computer Science and Engineering",

Location: "Coimbatore",

},

Hobby:"Chess, Sudoko",

}

console.log(Resume);

Result:

{

name: 'Naveen',

age: 23,

email: 'naveen@gmail.com',

Mobile: [ 2132312311, 4564456456 ],

address: { plotno: 36, street: 'abc street', city: 'Coimbatore' },

School: {

School\_Name: 'LMHS School',

SSLC\_mark: 91,

HSC: 90,

Location: 'Coimbatore'

},

College: {

College\_Name: 'SECE',

Mark: 80,

Course: 'B.E. - Computer Science and Engineering',

Location: 'Coimbatore'

},

Hobby: 'Chess, Sudoko'

}

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**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, innerWidth, innerHeight, name, if it has been closed, its parents, and more.

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 HTMLDocument interface, whereas XML and SVG documents implement the XMLDocument interface.

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.