1. **for in loop.**

var student=

{ name: "vishnu",

age: 25,

year: 2023,

address: "India"

};

console.log(student.name); **//DOT Method**

console.log(student["name"]); //**BOX Method**

**//For-in Loop**

**//Syntax:for(var key in Object){}**

for (var a in student){

console.log(student[a]);

}

student.gender= "male"; **//To add/insert the data**

student.attendance= ["mon","tue","wed"];

console.log(student);

for (var i=0; i<student.attendance.length; i++){ **//To get the array data**

console.log(student.attendance[i]);

}

**//Syntax:Objectname.keyname=value;**

student.age=24; **//Update the Data**

console.log(student);

**//Syntax: delete objectname.keyname**

delete student.age; **//Delete the data**

console.log(student);

1. **Resume in JSON format**

var “resume”: {  
    “name”: “Vishnu B”,

“D.O.B”: “24-02-1997”,  
    “email”: “vishnugowtham97@gmail.com”,  
    “phone”: “Enter the phone number”,  
    “degree”: “B.E Electrical and Electronics Engineering”,  
    “location”: {  
       “address”: {

“D.no”: “Door number”,

“Area”: “Landmark of Area”,  
       “city”: “Coimbatore”,

“PINCode”: “ZIP Code”,  
      “Country”: “India”,  
      “Region”: “Hindu”  
    }

}};  
  “work”: [  
    {  
      “company”: “Aquasub Engineering”,  
      “nature of work”: “Testing Engineer”,  
      “startDate”: “June-2019”,  
      “endDate”: “March-2022”,

}{    “company”: “CRI Pumps”,  
      “nature of work”: “Testing Engineer”,

 “startDate”: “April-2022”,  
       “endDate”: “Auguest-2022”,

       ]  
    }  
 ],  
 “education”: [  
   {

“SSLC” {  
      “institution”: “S.E.S matric hr sec school”,  
      “Marks in Percentage”: “89%”,

“year”: “2013”,}

“HSC” {

“institution”: “S.E.S matric hr sec school”,  
      “Marks in Percentage”: “85%”,

“year”: “2015”,}

“Degree” {

“institution”: “Sri Shakthi Institute of engineering and Technology”,  
      “Marks in cgpa”: “6.50”,

“year”: “2019”,}   
    }  
 ],

  “skills”: [“MS office”, “Matlab”, “Java”, “HTML”],  
 “languages”: [  
    {  
      “language”: “Tamil”,

“Level”: “expert”,

“language”: “English”,

“Level”: “expert”,

      “language”: “Hindi”,

“Level”: “intermediate”,        
    }],

1. **Difference between the window object and the documents and the screen.**

**Window object:**

The window object is a collection is a set of all the window object available in an HTML document.

* The window object represents an open window in a Browser.
* The window is the first thing gets loaded in to the browser.
* Window is a global object.
* If a document contain frames (<iframe> tags), the browser creates one window object for the HTML document, and one additional window object for each frame.
* The window object has the majority of the properties like length, inner width, name, open, close, resizeto, moveto, etc.
* Window object is the topmost object of the DOM hierarchy.
* It represents a browser window or frame that displays the content of the webpage.
* Whenever a window appears on the screen to display the content of the document, the window object is created.

Syntax:

window.property\_name;

window.method\_name:

**Document object:**

When an HTML document is loaded into a web browser, it becomes a **document object**.

* The document object is the root node of the HTML document.
* The document object is a property of the window object.
* The document object is your html, php, aspx, or any other document that will be loaded into the Browser.
* The document actually gets loaded inside the window object.
* It has a properties available it’s like title, body, URLs, cookies etc., and all properties related to DOM. And it can be accessed by window.document.title
* By accessing the document object, we can access the element in the HTML page.
* The document object can be accessed with a window.document or just the document.
* It represents any of the HTML documents or web pages that is loaded in the browser.
* All the tags, elements with attributes in HTML are part of the documents.
* It is the object of the window property.

Syntax:

window.document.property\_name or

document.property\_name

**SCREEN:**

The javascript screen object holds information of browser screen. It can be used display screen width, height, colourDepth, pixelDepth etc.

* The window property screen return a reference to the screen object associated with the window. The screen object, implemented the screen interface, is a special object for inspecting properties of the screen on which the current window is being rendered.
* The window object is at the top of the scope chain, so properties of the window.screen object can be accessed without specifying the window. Prefix, for eg: window.screen.width can be written as screen.width.

**Properties:**

screen.width  
screen.height  
screen.availWidth  
screen.availHeight  
screen.colorDepth  
screen.pixelDepth

Syntax:

screen.width and

screen.height properties obtain the width and height of the user’s screen pixels.

screen.colourDepth property to get the colour depth of the user’s screen.

* Colour depth indicates how many colours a device screen is capable to produce.
* Mostly devices that has screen with colour depth of 24 or 32.

Syntax:

screen.pixelDepth property obtain the number of bits used per pixel by the system display hardware.