Q-1 Ans:-

The 'For' Loop:-

The For Loop comes first because of its simplicity and ease of use.

It is a very user-friendly kind of loop that runs with a method of using a counter.

The value is first set with an appropriate condition, which is also called 'initializing a loop'.

Next, the terminal or final value is specified.

The For Loop makes things really easy when you need to run a set of codes multiple times.

[1]. Using an array:-

The following piece of code is a perfect example of how to use a for loop through an array.

```
var numbers = [ 10, 20, 30, 40, 50]

for (var i=0; i < numbers.length; i++) {

   console.log(numbers[i])

}
```

[2]. Making a loop through DOM elements

The For loop can also be used to alter colors.

Consider a situation where you want to choose a particular color for all the anchors of your page.

In order to do so, use the following piece of code.

```
var elements = document.querySelectorAll("a");

for (var i=0; i<elements.length; i++) {

   elements[i].style.color = "red";

}
```

The 'For In' Loop:-

Another way of looping is the For In Loop.

Unlike the For Loop, this loop won't be using a counter.

So this makes the whole process even more simple and hassle-free.

In fact, the For In Loop is essentially a simplified version of the For Loop.

The following are different ways of looping using the For In technique:-

1. Looping through an Object Property

Here's an example; you've got an object containing some properties and you need to look up each property and the value that it carries.

Here's how you would use the For In Loop to do so:

```
var person = {

  fname: "Finch",

  lname: "Danial",

  age: 26

};

for (let x in person) {

  console.log(x + ": "+ person[x])

}
```

Looping Using JSON:-

JSON stands for JavaScript Object Notation.

It's a light format for storing and transferring data from one place to another.

So in looping, it is one of the most commonly used techniques for transporting data that is the array format or in attribute values.

Here's an example that demonstrates the above concept.

```
jsonData ={

  one: [11, 12, 13, 14, 15],

  two: [21, 22, 23],

  three: [31, 32]

}
```

JavaScript Object Notation also consists of a root, namely, the jsonData. It further contains three nodes that are called, "one", "two", and "three".

Here's how you can withdraw a piece of information from JSON:

```
var json = {

  one: [11, 12, 13, 14, 15],

  two: [21, 22, 23],

  three: [31, 32]

}

};

for(var key in json.jsonData) {

  for (var key1 in json.jsonData[key]) {

    console.log(json.jsonData[key][key1])

  }

}
```

Above, I used two For In Loops to make use of JSON and extract information from it.

One of those loops is the outer loop that runs three times.

If you're wondering why it needs to run three times,

that's because it has to cover the above-mentioned nodes.

[3].The ForEach() Loop

This method is used for looping through an array element.

Here i took an example of this:


```
var names = ["Jenu", "Parth", "Dhaval", "Manish", "Mahesh"];

names.forEach(function1);

function function1(currentValue, index) {

    console.log("Index in array is: "+index + " ::  Value is: "+currentValue);

}
```

[4].for...of():-

The for...of statement creates a loop iterating over iterable objects, including: built-in String, Array, array-like objects

(e.g., arguments or NodeList), TypedArray, Map, Set, and user-defined iterables.

It invokes a custom iteration hook with statements to be executed for the value of each distinct property of the object.

Simple Code:-

```
const array1 = ['a', 'b', 'c'];


for (const element of array1) {

  console.log(element);

}
```

Q-2 Ans:-Create a resume on JSON format.

In JSON Format type resume data:-

let person={

name:"Rushiraj"

Surname:-Bhuva

E-mail id:-rushirajbhuva26@gmail.com

Salary-Expextation:-6,50000 CTC

Address:-"Tirth",Shivnagar Society,B/H Petrol Pump,Dhari,Amreli,-365640

Projects:-

[1]Twitter Sentment Analysis

[2]Titanic Data Analysis

[3]Autamatic Bill Generator

[4]FSEP Full Semester External Project-Detect Numberplate From Video

Education:-

S.S.C:- From The School Of Maths And Science(SOMS)-Dhari

H.S.C:- The School Of Science(SOS) -Rajkot

B.Tech From Birla Vishvakarma Mahavidhyalaya V.V Nagar

Hobbies:-Reading books,Doing Exercise,Listening to Music,Surffing Computer to learn new things,Traveling and Play Games.

Q-3 Read about differance between window,screen and Documents in java script.

Ans:-

The main difference is given below between these three

Image result for read about the difference between window screen and document in javascript

window is the root of everything, screen just has screen dimensions, and document is top DOM object.