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

**For loop**

Normally you will use expression 1 to initialize the variable used in the loop (let i = 0).

This is not always the case. JavaScript doesn't care. Expression 1 is optional.

You can initiate many values in expression 1 (separated by comma):

Often expression 2 is used to evaluate the condition of the initial variable.

This is not always the case. JavaScript doesn't care. Expression 2 is also optional.

If expression 2 returns true, the loop will start over again. If it returns false, the loop will end.

Often expression 3 increments the value of the initial variable.

This is not always the case. JavaScript doesn't care. Expression 3 is optional.

Expression 3 can do anything like negative increment (i--), positive increment (i = i + 15), or anything else.

Expression 3 can also be omitted (like when you increment your values inside the loop):

**For/of and for/in loops**

const person = {fname:"John", lname:"Doe", age:25};  
  
let text = "";  
for (let x in person) {  
  text += person[x];  
}

* The **for in** loop iterates over a **person** object
* Each iteration returns a **key** (x)
* The key is used to access the **value** of the key
* The value of the key is **person[x]**

**For of loop**

The JavaScript for of statement loops through the values of an iterable object.

It lets you loop over iterable data structures such as Arrays, Strings, Maps, NodeLists, and more:

Syntax

for (variable of iterable) {  
  // *code block to be executed*  
}

**variable** - For every iteration the value of the next property is assigned to the variable. Variable can be declared with const, let, or var.

**iterable** - An object that has iterable properties.

example

const cars = ["BMW", "Volvo", "Mini"];  
  
let text = "";  
for (let x of cars) {  
  text += x;  
}

**forEach()**

the forEach() method calls a function (a callback function) once for each array element

const numbers = [45, 4, 9, 16, 25];  
  
let txt = "";  
numbers.forEach(myFunction);  
  
function myFunction(value) {  
  txt += value;  
}