1. (A) Array of JSON objects iteration over FOR loop

For loop can be used for array of Jason objects and an example regarding that is given below.

INPUT:

OUTPUT:

Header

User defined

Welcome sir

Ur Profile

Edit data

Undisclosed

Header no.2

User defined no.2

Welcome sir no.2

Ur Profile no.2

Edit data no.2

Undisclosed no.2

(B) JSON iteration over FOR IN loop

INPUT:

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

for(var i in json) {

console.log(i,json[i]);

}

OUTPUT:

title Header

login User defined

home Welcome sir

profile Ur Profile

settings Edit data

privacy Undisclosed

(C) JSON iteration over for-of loop with various functions.

This method returns the array of the key-value pair of the object. To iterate a key and value, we need to use the for-of loop with any one of the function as Object.entries, or Object.keys, or reflect.ownKeys .

1. Using Object.keys

INPUT

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

for(var i of Object.keys(json))

{

console.log(i+":"+json[i]);

}

OUTPUT

title:Header

login:User defined

home:Welcome sir

profile:Ur Profile

settings:Edit data

privacy:Undisclosed

1. Using Reflect.ownKeys

INPUT

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

for(var i of Reflect.ownKeys(json))

{

console.log(i+":"+json[i]);

}

OUTPUT

title:Header

login:User defined

home:Welcome sir

profile:Ur Profile

settings:Edit data

privacy:Undisclosed

1. Using Object.entries

INPUT

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

for(var [i] of Object.entries(json))

{

console.log(i+":"+json[i]);

}

OUTPUT

title:Header

login:User defined

home:Welcome sir

profile:Ur Profile

settings:Edit data

privacy:Undisclosed

(D) JSON iteration over for-each loop with various functions.

The forEach method works as an iterator to call the other method, we can use this method to iterate the object by using several other functions as Object.keys (or) Reflect.ownKeys.

1. Using Object.keys.

INPUT

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

Object.keys(json).forEach((i) => {

console.log(i+":"+json[i]);

});

OUTPUT

title:Header

login:User defined

home:Welcome sir

profile:Ur Profile

settings:Edit data

privacy:Undisclosed

1. Using Reflect.ownKeys.

INPUT

var json = {

"title" : "Header",

"login" : "User defined",

"home" : "Welcome sir",

"profile": "Ur Profile",

"settings": "Edit data",

"privacy" : "Undisclosed",

}

Reflect.ownKeys(json).forEach((i) => {

console.log(i+":"+json[i]);

});

OUTPUT

title:Header

login:User defined

home:Welcome sir

profile:Ur Profile

settings:Edit data

privacy:Undisclosed

2.Resume data in JSON format:

INPUT:

var resume = {

"NAME" : "P Prajith",

"EMAIL" : "pargithprasad12@gmail.com",

"GENDER" : "male",

"DOB" : "03/09/2000",

"NATIONALITY" : " Indian",

"CURRENT LOCATION": "nagercoil",

"EDUCATIONAL BACKGROUND": "Undergraduate in physics from madras univerrsity",

"KEY SKILLS" : "leadership, teamwork, easily adaptable to situations, good communication skill and problem solving",

"PROJECTS" : "academic project, NSS project",

"EXPERIENCE" : "no experience",

"LANGUAGES KNOWN" : " english, tamil",

"CONTACT NO" : "9944286627",

}

for(var i in resume) {

console.log(i+":"+resume[i]);

}

OUTPUT:

NAME:P Prajith

EMAIL:pargithprasad12@gmail.com

GENDER:male

DOB:03/09/2000

NATIONALITY: Indian

CURRENT LOCATION:nagercoil

EDUCATIONAL BACKGROUND:Undergraduate in physics from madras univerrsity

KEY SKILLS:leadership, teamwork, easily adaptable to situations, good communication skill and problem solving

PROJECTS:academic project, NSS project

EXPERIENCE:no experience

LANGUAGES KNOWN: english, tamil

CONTACT NO:9944286627

3.window, screen and document in javascript.

WINDOW OBJECT:

* The JavaScript **window object** is higher in order among all of the JavaScript Objects.
* It represents the browser window. The window is the first thing that gets loaded into the **browser** .
* All global **JavaScript objects** , functions, and variables automatically become members of the window object.
* This window object has the majority of the properties like length, innerWidth, innerHeight, name,etc,

DOCUMENT OBJECT:

* When a HTML document is loaded into a **web browser** , it becomes a document object. The document gets loaded inside the window object.
* The **Document object** 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.
* It has properties like title, URL, cookie, etc.

SCREEN :

* Screen is a small information object about physical **screen dimensions**of the user device
* It usually display screen width, height, colorDepth, pixelDepth etc.