**Question-1**

**Parsing an JSON object’s Values:**

Write a function called “printAllValues” which returns an newArray of all the input object’s values.

Answer:-

var obj = { name: "Ranjini", age: 30, hasPets: false };

var nam = obj.name

var ag = obj.age

var pet = obj.hasPets

printAllValues(nam, ag, pet)

function printAllValues(nam, ag, pet) {

console.log([nam, ag, pet])

}

printAllValues(nam, ag, pet)

**Question-2**

Write a function called “printAllKeys” which returns an newArray of all the input object’s keys.

**Answer:-**

var obj = { name: "Ranjini", age: 30, hasPets: false };

function printAllValues(obj) {

console.log([Object.keys(obj)])

}

printAllValues(obj)

**Question-3**

## Parsing an JSON object and convert it to a list:

Write a function called “convertObjectToList” which converts an object literal into an array of arrays.

**Answer:-**

var obj = { name: "ISRO", age: 35, role: "Scientist " };

function convertListToObject(obj) {

const entries = Object.entries(obj);

console.log(entries);

}

convertListToObject(obj)

**Queston-4**

## Parsing a list and transform the first and last elements of it:

Write a function ‘transformFirstAndLast’ that takes in an array, and returns an object with:  
1) the first element of the array as the object’s key, and  
2) the last element of the array as that key’s value.

**Answer:-**

var arr = ["GUVI", "I", "am", "Geek"];

var e1 = arr[0];

var e2 = arr.pop();

function transformFirstAndLast(e1, e2) {

var obj = { e1: e2 }

*return* (obj)

}

console.log(transformFirstAndLast(e1, e2))

**Question-5**

## Parsing a list of lists and convert into a JSON object:

Write a function “fromListToObject” which takes in an array of arrays, and returns an object with each pair of elements in the array as a key-value pair.

**Answer:-**

var arraysample = [

[

["firstName", "Vasanth"],

["lastName", "Raja"],

["age", 24],

["role", "JSWizard"]

],

[

["firstName", "Sri"],

["lastName", "Devi"],

["age", 28],

["role", "Coder"]

]

];

function transformFirstAndLast(arraysample) {

var result = arraysample.map(Object.fromEntries);

*return* (result)

}

console.log(transformFirstAndLast(arraysample))

**Question-6**

## Parsing a list of lists and convert into a JSON object:

Write a function called “transformGeekData” that transforms some set of data from one format to another.

**Answer:-**

var arr = [[["firstName", "Vasanth"], ["lastName", "Raja"], ["age", 24], ["role", "JSWizard"]], [["firstName", "Sri"], ["lastName", "Devi"], ["age", 28], ["role", "Coder"]]];

function transformEmployeeData(arr) {

var tranformEmployeeList = arr.map(Object.fromEntries);

*return* tranformEmployeeList;

}

console.log(transformEmployeeData(arr))

**Question-7**

## Parsing two JSON objects and Compare:

Write an “assertObjectsEqual” function from scratch.  
Assume that the objects in question contain only scalar values (i.e., simple values like strings or numbers).  
It is OK to use JSON.stringify().  
Note: The examples below represent different use cases for the same test. In practice, you should never have multiple tests with the same name.

**Answer:-**

var expected = [{ foo: 5, bar: 6 }];

var actual = [{ foo: 3, bar: 6 }]

var testName = ["passed", "failed"]

function assertObjectsEqual(actual, expected, testName) {

*if* (JSON.stringify(actual) === JSON.stringify(expected)) {

*return* testName[0];

}

*else* {

*return* `${testName[1]} Expected ${actual}, but got ${expected}`;

}

}

console.log(assertObjectsEqual(actual, expected, testName))

**Question-8**

## Parsing JSON objects and Compare:

I have a mock data of security Questions and Answers. You function should take the object and a pair of strings and should return if the quest is present and if its valid answer

**Answer:-**

var securityQuestions = [

{

question: "What was your first pet’s name?",

expectedAnswer: "FlufferNutter"

},

{

question: "What was the model year of your first car?",

expectedAnswer: "1985"

},

{

question: "What city were you born in?",

expectedAnswer: "NYC"

}

]

var question = "What city were you born in?"

var ans = "NYC"

function chksecurityQuestions(securityQuestions, quest, ans) {

var q = Object.entries(securityQuestions);

*for* (i = 0; i <= 3; i++) {

*if* (JSON.stringify(q[i]) == JSON.stringify(quest)) {

*return* true

}

}

}

console.log(chksecurityQuestions(securityQuestions, question, ans))

**Question 9:-**

Parsing JSON objects and Compare:

Write a function to return the list of characters below 20 age

**Answer:-**

var students = [

{ name: "Siddharth Abhimanyu", age: 21 }, { name: "Malar", age: 25 },

{ name: "Maari", age: 18 }, { name: "Bhallala Deva", age: 17 },

{ name: "Baahubali", age: 16 }, { name: "AAK chandran", age: 23 }, { name: "Gabbar Singh", age: 33 }, { name: "Mogambo", age: 53 },

{ name: "Munnabhai", age: 40 }, { name: "Sher Khan", age: 20 },

{ name: "Chulbul Pandey", age: 19 }, { name: "Anthony", age: 28 },

{ name: "Devdas", age: 56 }

];

function returnMinors(arr) {

var list = []

var s1 = JSON.stringify(arr);

*for* (i = 0; i < s1.length; i++) {

*if* (s1[i].age < 20) {

list = list + s1[i].name

}

}

*return* list

}

console.log(returnMinors(students));