<https://medium.com/@reach2arunprakash/guvi-zen-code-sprint-javascript-practice-problems-in-json-objects-and-list-49ac3356a8a5>

Problem 0 : Part A (15 mins):

var cat = {  
 name: ‘Fluffy’,  
 activities: [‘play’, ‘eat cat food’],  
 catFriends: [  
 {  
 name: ‘bar’,  
 activities: [‘be grumpy’, ‘eat bread omblet’],  
 weight: 8,  
 furcolor: ‘white’  
 },   
 {  
 name: ‘foo’,  
 activities: [‘sleep’, ‘pre-sleep naps’],  
 weight: 3  
 }  
 ]  
}console.log(cat);

1. Add height and weight to Fluffy

: cat.height = 10;cat.weight = ‘4kg’

1. Fluffy name is spelled wrongly. Update it to Fluffyy

:Cat.name=cat.name = 'Fluffyy';

1. List all the activities of Fluffyy’s catFriends.

: cat.catFriends[0].activities.slice(1,3)

1. Print the catFriends names.
2. for(i=0;i<cat.catFriends.length;i++){
3. console.log(cat.catFriends[i].name);
4. }

5. Print total weights of friend

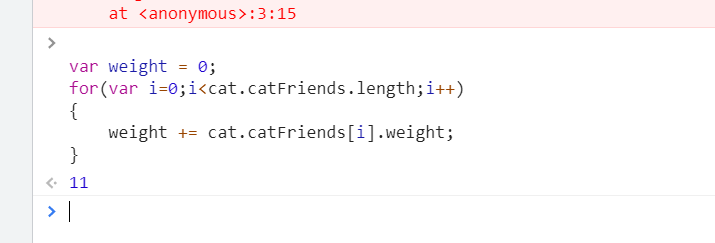
var weight = 0;

for(var i=0;i<cat.catFriends.length;i++)

{

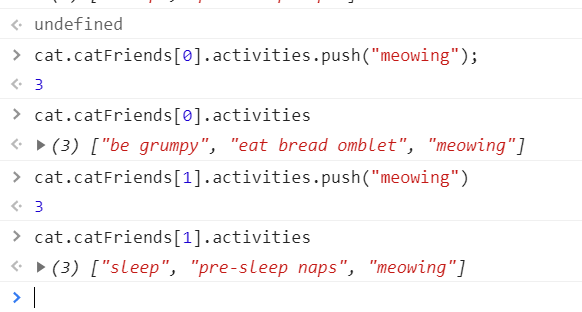
    weight += cat.catFriends[i].weight;

}

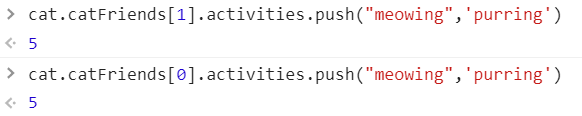


6. Print the total activities of all cats (op:6)





1. Add 2 more activites



We can push 2 activities.

1. Update the fur color of bar



# Problem 0 : Part B (15 mins):

var myCar =

{

    make: 'Bugatti',

    model: 'Bugatti La Voiture Noire',

    year: 2019,

    accidents: [

    {

    date: '3/15/2019',

    damage\_points: '5000',

    atFaultForAccident: true

    },

    {

    date: '7/4/2022',

    damage\_points: '2200',

    atFaultForAccident: true

    },

    {

    date: '6/22/2021',

    damage\_points: '7900',

    atFaultForAccident: true

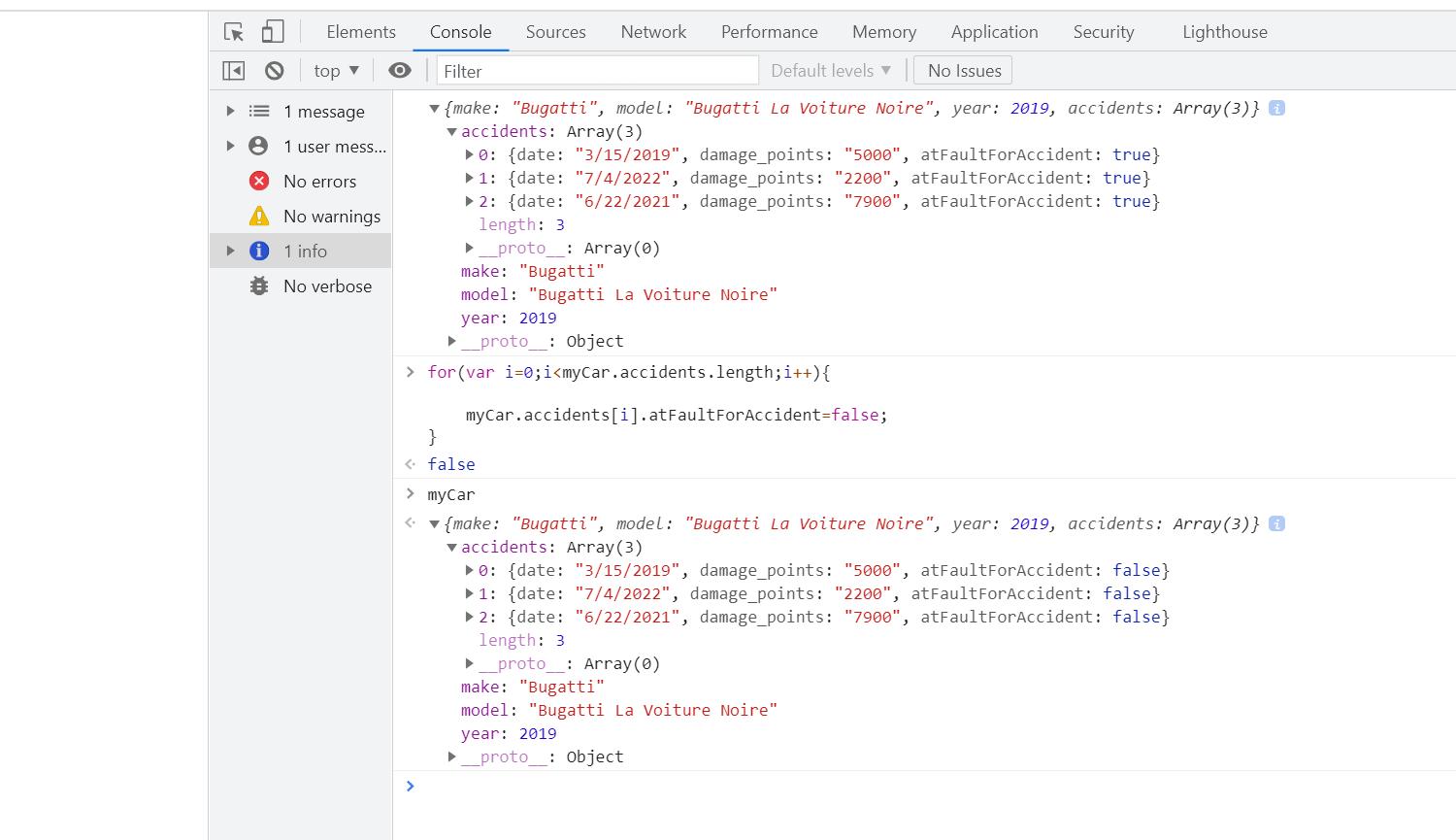
    }

    ]

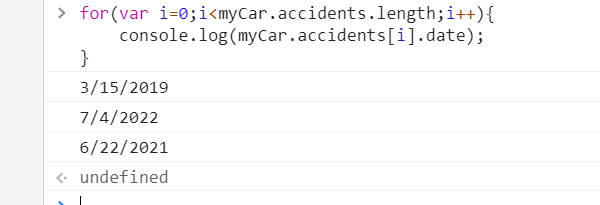
}

console.log(myCar);

1. Loop over the accidents array. Change atFaultForAccident from true to false.



1. Print the dated of my accidents.



# ****Real challenges starts here****

# :bowtie:

# ****Problem 1 (5 mins):****

## **Parsing an JSON object’s Values:**

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

Input (Object):

var object = {name: “RajiniKanth”, age: 33, hasPets : false};  
Output:

[“RajiniKanth”, 33, false]

**Sample Function proto:**

var obj = {name : “RajiniKanth”, age : 33, hasPets : false};function printAllValues(obj) {  
 // your code here  
}

var obj = {name : 'RajiniKanth', age : 33, hasPets : false};

function printAllvalues(obj)

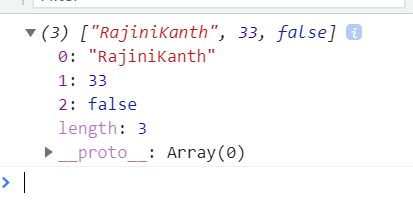
{

    const arr = Object.values(obj);

    return arr

}

console.log(printAllvalues(obj));



# Problem 2(5 mins) :

## **Parsing an JSON object’s Keys:**

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

Example Input:  
{name : ‘RajiniKanth’, age : 25, hasPets : true}  
Example Output:  
[‘name’, ‘age’, ‘hasPets’]

**Sample Function proto:**

function printAllKeys(obj) {  
 // your code here  
}

var obj = {name : 'RajiniKanth', age : 33, hasPets : false};

function printAllkeys(obj){

    const arr = Object.keys(obj);

    return arr}

console.log(printAllkeys(obj));



# Problem 3( 7–9 mins):

## **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.  
Input (Object):  
var object = {name: “ISRO”, age: 35, role: “Scientist”};  
Output:  
[[“name”, “ISRO”], [“age”, 35], [“role”, “Scientist”]]

**Sample Function proto:**

var obj = {name: “ISRO”, age: 35, role: “Scientist”};  
function convertListToObject(obj) {  
 // your code here  
}