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  
}  
]  
}

Problem 1:

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

Solution:

var a=myCar.accidents.length;  
for (var i=0;i<a;i++){  
myCar.accidents[i].atFaultForAccident=”false”;  
}  
console.log(myCar);

1. Print the dated of my accidents

Solution:

Var a=myCar.accidents.length;

For (var i=0;i<a;i++){

Console.log(myCar.accidents[i].date);

console.log(myCar);

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

**Problem 2:**

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

Solution:

var obj = {“name”:”RajiniKanth”,”age”:”33",”hasPets”:”false”};  
arr=Object.keys(obj);  
console.log(Object.values(obj));  
console.log(arr);  
console.log(obj);

# Problem 3:

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

# 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”]]

# Solution:

var obj={“name”:”ISRO”,”age”:”35",”role”:”Scientist”};  
var len=Object.values(obj).length;  
var arr=[];  
var arr1=[];  
var a=Object.keys(obj);  
var b=Object.values(obj);  
for(var i=0;i<len;i++){  
arr1=[a[i]+”,”+b[i]];  
arr.push(arr1)  
}

console.log(arr)

# Problem 4:

# 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. Input (Array): var array = [“GUVI”, “I”, “am”, “Geek”]; Output: var object = { GUVI : “Geek” }

# Solution:

function transformFirstAndLast(arr) {  
for(var i=0;i<arr.length;i++){  
newObject[arr[i]]=arr[arr.length-1-i];  
}  
return (newObject);  
}

var arr = [‘GUVI’, ‘I’, ‘am’, ‘a geek’];  
var newObject={};

console.log(transformFirstAndLast(arr));

# Problem 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.  
Input (Array):  
var array = [[“make”, “Ford”], [“model”, “Mustang”], [“year”, 1964]];  
Output:  
var object = {  
make : “Ford”  
model : “Mustang”,  
year : 1964  
}

Solution:

function fromListToObject(arr) {  
var newObject = {};  
for(var i=0;i<arr.length;i++){  
var arr1=arr[i];  
newObject[arr1[0]]=arr1[1];  
console.log(arr1)  
}  
return (newObject);  
}

var arr = [[‘make’, ‘Ford’], [‘model’, ‘Mustang’], [‘year’, ‘1964’]];  
console.log(fromListToObject(arr));

# Problem 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.

Input (Array):  
var array = [[[“firstName”, “Vasanth”], [“lastName”, “Raja”], [“age”, 24], [“role”, “JSWizard”]], [[“firstName”, “Sri”], [“lastName”, “Devi”], [“age”, 28], [“role”, “Coder”]]];  
Output:  
[  
{firstName: “Vasanth”, lastName: “Raja”, age: 24, role: “JSWizard”},  
{firstName: “Sri”, lastName: “Devi”, age: 28, role: “Coder”}  
]

Solution:

function transformEmployeeData(arr) {  
var tranformEmployeeList = [];  
var new1={}  
var new2={}  
len=arr.length;  
n=parseInt(len/2);  
for(i=0;i<len;i++){  
for(j=0;j<arr[i].length;j++){  
  
if(i<=parseInt(n/2)){  
var arr1=arr[i][j];  
new1[arr1[0]]=arr1[1];  
}  
else{  
var arr2=arr[i][j];  
new2[arr2[0]]=arr2[1]  
}  
  
}  
}  
tranformEmployeeList.push(new1);  
tranformEmployeeList.push(new2);  
return tranformEmployeeList;  
}

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

console.log(transformEmployeeData(arr));