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  
}  
]  
}

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

accidents[0].atFaultForAccident = False;

accidents[1].atFaultForAccident = False;

accidents[2].atFaultForAccident = False;

console.log(mycar);

1. Print the dated of my accidents

Console.log(myCar.accidents[0].date, myCar.accidents[1].date, myCar.accidents[2].date);

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

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]

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

function printAllValues(obj)

{

return (obj.name+","+obj.age+","+obj.hasPets)

}

console.log(printAllValues(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:**

) {  
 // your code here  
}

function convertListToObject(obj)

{

return Object.entries(obj)

}

console.log(convertListToObject(obj));

# Problem 4( 5 mins):

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

**Sample Function proto:**

var arr = [“GUVI”, “I”, “am”, “a geek”];function transformFirstAndLast(arr) {  
   
 return newObject;  
}

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

function transformFirstAndLast(array)

{

return {[array[0]] : array[array.length-1]};

}

console.log(transformFirstAndLast(array));

# Problem 5 ( 7 -9 mins):

## **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  
}

**Sample Function proto:**

var arr = [[“make”, “Ford”], [“model”, “Mustang”], [“year”, 1964]];function fromListToObject(arr) {  
 var newObject = {};  
   
 return newObject;  
}

var arr = [["make","ford"], ["model","mustang"], ["year",1964]];

function fromListToObject(arr)

{

return {[arr[0][0]] : arr[0][1],[arr[1][0]] : arr[1][1],[arr[2][0]] : arr[2][1]};

}

console.log(fromListToObject(arr));

# Problem 6 (10 mins):

## **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”}  
]

**Sample Function proto:**

var arr= [[[“firstName”, “Vasanth”], [“lastName”, “Raja”], [“age”, 24], [“role”, “JSWizard”]], [[“firstName”, “Sri”], [“lastName”, “Devi”], [“age”, 28], [“role”, “Coder”]]];function transformEmployeeData(arr) {  
 var tranformEmployeeList = [];  
   
 //Your code  
   
 return tranformEmployeeList;  
}

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

function transformEmployeeData(arr)

{

return [{[arr[0][0][0]] : arr[0][0][1], [arr[0][1][0]] : arr[0][1][1], [arr[0][2][0]] : arr[0][2][1], [arr[0][3][0]] : arr[0][3][1]},{[arr[1][0][0]] : arr[1][0][1], [arr[1][1][0]] : arr[1][1][1], [arr[1][2][0]] : arr[1][2][1], [arr[1][3][0]] : arr[1][3][1]}];

}

console.log(...transformEmployeeData(arr));