Problem 0 : Part A

Qn. 1. Add height and weight to Fluffy

Sol.

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

}

]

}

cat.height="24cm";

cat.weight="4kg";  
console.log(cat);

Qn. 2. Fluffy name is spelled wrongly. Update it to Fluffyy

Sol.

cat.name="Fluffyy"

Qn. 3. List all the activities of Fluffyy’s catFriends.

Sol.

var a=cat.catFriends

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

console.log(a[i].activities);}

Qn. 4. Print the catFriends names

Sol.

var a=cat.catFriends

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

console.log(a[i].name);

}

Qn. 5. Print the total weight of catFriends

Sol.

var a=cat.catFriends

console.log(a[0].weight+a[1].weight);

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

Sol.

var a=cat.catFriends

console.log(cat.activities+a[0].activities+a[1].activities);

Qn. 7. Add 2 more activities to bar & foo cats

Sol.

cat.catFriends[0].age="1yrs"

cat.catFriends[1].age="1.5yrs"

cat.catFriends[0].ownername="Alex"

cat.catFriends[1].ownername="jack"

Qn. 8. Update the fur color of bar

Sol.

cat.catFriends[0].furcolor="grey"

Problem 0 : Part B

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

Sol.

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  
}  
]  
}

for(var i=0;i<myCar.accidents.length;i++){

myCar.accidents[i].atFaultForAccident=false

}

Console.log(myCar)

Qn. 2. Print the dated of my accidents

Sol.

for(var i=0;i<myCar.accidents.length;i++){

var date = myCar.accidents[i].date;

console.log(date)

}

# ****Problem 1****

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

# Sol.

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

function printAllValues(obj) {

var res = Object.values(obj);

return res

}

console.log(printAllValues(obj))

# ****Problem 2****

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

Sol.

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

function printAllValues(obj) {

var res = Object.keys(obj);

return res

}

console.log(printAllValues(obj))

# ****Problem 3****

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

Sol.

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

function convertListToObject(obj) {

var arr = [];

for (var i in obj) {

arr.push([i, obj[i]]);

}

return arr;

}

console.log(convertListToObject(obj));

**Problem 4**

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

Sol.

var arr = ["GUVI", "I", "am", "a geek"];

function transformFirstAndLast(arr) {

var newObject = {};

obj[arr[0]]=arr[3]

return newObject;

}

console.log(transformFirstAndLast(arr))