**Prob-0(A)**

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

}

]

}

var act=[];

var names=[];

var weights=[],sum=0;

//console.log(cat);

cat.name='Fluffyy';//adjusted name

cat.height=30;//added height

cat.weight=6;//added weight

// console.log(cat);

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

{

act.push(cat.catFriends[i].activities);

names.push(cat.catFriends[i].name);

weights.push(cat.catFriends[i].weight);

}

console.log('activities of Fluffyy’s catFriends:',act.join(','));//printed cat friends activities

console.log('catFriends names:',names.join(' '));//printed catfriends names

for(j=0;j<weights.length;j++)

{

sum+=weights[j];

}

console.log('total weight of catFriends:',sum);//printed total weights of cats friends

console.log((cat.activities.join(','))+','+act.join(','));//printed activities of all cats

var newActivities = ['jumping', 'running all day'];//new activities

cat.catFriends[0].activities.push(...newActivities); //added new activities

cat.catFriends[1].activities.push(...newActivities);

cat.catFriends[0].furcolor = "yellow";

**Prob-0(B)**

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

{

myCar.accidents[i].atFaultForAccident='false';

}

console.log(myCar);

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

{

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

}

**Prob-1**

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

printAllValues();

function printAllValues()

{

console.log(Object.values(ob)); }

**Prob-2**

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

printAllKeys();

function printAllKeys()

{

console.log(Object.keys(ob));

}

**Prob-3**

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

y=convertObjectToList(object);

console.log(y);

function convertObjectToList(obj)

{

return Object.entries(obj);

}

**Prob-4**

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

val=transformFirstAndLast(arr);

console.log(val);

function transformFirstAndLast(arr)

{

var obj={};

first=arr[0];

last=arr[arr.length-1];

obj[first]=last;

return obj;

}

**Prob-5**

var array = [["make", "Ford"], ["model", "Mustang"], ["year", 1964]];

val=fromListToObject(array);

console.log(val);

function fromListToObject(arr)

{

var obj={};

for(i=0;i<arr.length;i++)

{

var a=arr[i][0];

var b=arr[i][1];

obj[a]=b;

}

return obj;

}

**Prob-6**

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

val=transformGeekData(array);

console.log(val);

function transformGeekData(arr)

{

var newlist=[];

for(i=0;i<arr.length;i++)

{

let obj={};

for(j=0;j<arr[i].length;j++)

{

let c=arr[i][j];

let key=c[0];

let value=c[1];

obj[key] = value;

}

newlist.push(obj);

}

return newlist;

}

**Prob-7**

**Prob-8**

**Prob-9**

**Question-2**

Try the rest countries api. Extract and print the flag url of all the countries in the console. use the html template. <https://restcountries.eu/rest/v2/al>

