Problem 0A

Fluffy sorry, Fluffyy is my fav cat and it has 2 catFriends

Write a code to get the below details of Fluffyy so that

I can take him to vet.

// Getting input via STDIN

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

//start-here

//Your code goes here … replace the below line with your code logic

var cat = {

name: 'fluffy',

activities: ['play','eat cat food'],

catFriends :[{

name: 'bar',

activities: ['be grumpy','eat bread omlet'],

weight:'8',

furcolor: 'white'

},

{

name : 'foo',

activities : ['sleep','pre-sleep naps'],

weight : '4'

}

]};

console.log(cat);

cat.height='8';//Add height and weight to Fluffy

cat.weight='20';//Add height and weight to Fluffy

cat.name='Fluffyy';//Fluffy name is spelled wrongly. Update it to Fluffyy

console.log(cat);

console.log(cat.catFriends[0].activities.concat(cat.catFriends[1].activities));//List all the activities of Fluffyy’s catFriends.

console.log(cat.catFriends[0].name+ ',' +(cat.catFriends[1].name));//Print the catFriends names.

console.log(cat.catFriends[0].weight + cat.catFriends[1].weight);//Print the total weight of catFriends

console.log(cat.activities.concat(catFriends[0].activities).concat(cat.catFriends[1].activities));Print the total activities of all cats (op:6)

cat.catFriends[0].activities.push['food hunting'];//Add 2 more activities to bar & foo cats

cat.catFriends[0].activities.push['playing'];//Add 2 more activities to bar & foo cats

cat.catFriends[1].activities.push['running'];//Add 2 more activities to bar & foo cats

cat.catFriends[1].activities.push['sleeping'];//Add 2 more activities to bar & foo cats

console.log(cat.catFriends[0].activities, cat.catFriends[1].activities);

cat.catFriends[0].furcolor='Black';//Update the fur color of bar

console.log(cat.catFriends[0]);

//end-here

});

//////////////\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/////////////////

Problem 0B

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

// Getting input via STDIN

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

//start-here

//Your code goes here … replace the below line with your code logic

var obj = {name:'Rajnikanth', age : 33, haspets : false}

function printAllValues(obj){

return Object.values(obj);

}

var res=printAllValues(obj);

console.log(res);

//end-here

});

Problem 2 :

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’]

Problem 1:

// Getting input via STDIN

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

//start-here

//Your code goes here … replace the below line with your code logic

var obj = {name:'Rajnikanth', age : 33, haspets : false}

function printAllValues(obj){

return Object.keys(obj);

}

var res=printAllValues(obj);

console.log(res);

//end-here

});

Problem 3:

// Getting input via STDIN

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

//start-here

//Your code goes here … replace the below line with your code logic

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

function convertObjectToList(obj){

return Object.entries(obj);

}

var res=convertObjectToList(obj);

console.log(res);

//end-here

});

Problem 4 :

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

}

// Getting input via STDIN

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

//start-here

//Your code goes here … replace the below line with your code logic

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

function fromListToObject() {

var object = {}; // out of the loop

for (var i = 0; i < array.length; ++i) { // iterate to last

var newArray = array[i];

object[newArray[0]] = newArray[1];

}

return object; // out of the loop

}

var obj = fromListToObject(array);

console.log(obj); //end-here

});

Problem 6 :

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

function transformEmployeeData(arr) {

var tranformEmployeeList = [];

for(let j=0;j<arr.length;j++){

let newObject = {};

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

let key = arr[j][i][0];

let value = arr[j][i][1];

newObject[key] = value;

}

tranformEmployeeList.push(newObject)

}

return tranformEmployeeList;

}

console.log(transformEmployeeData(arr))

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Problem 7 :

/\*var expected = {foo: 5, bar: 6};

var actual = {foo: 5, bar: 6};

if(JSON.stringify(expected)===JSON.stringify(actual)){

console.log('equal');

}

else

{

console.log('not equal');

}

\*/

function demo(actual,expected){

expected = {foo: 5, bar: 6};

actual = {foo: 5, bar: 6};

if(JSON.stringify(expected)===JSON.stringify(actual)){

console.log('equal');

}

else

{

console.log('not equal');

}

}

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problem 8:

var securityQuestions = [

{

question: "What was your first pet’s name?",

expectedAnswer: "FlufferNutter"

},

{

question: "What was the model year of your first car?",

expectedAnswer: "1985"

},

{

question: "What city were you born in?",

expectedAnswer: "NYC"

}

];

function demo(ques, ans){

for(let i in securityQuestions){

if(securityQuestions[i].question == ques &&

securityQuestions[i].expectedAnswer == ans){

return true;

}

else

{

return false;

}

}

}

var res=demo(ques, ans);

console.log(res);

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Problem 9:

var students = [

{

name: "Siddharth Abhimanyu", age: 21}, { name: "Malar", age: 25},

{name: "Maari",age: 18},{name: "Bhallala Deva",age: 17},

{name: "Baahubali",age: 16},{name: "AAK chandran",age: 23}, {name:"Gabbar Singh",age: 33},{name: "Mogambo",age: 53},

{name: "Munnabhai",age: 40},{name: "Sher Khan",age: 20},

{name: "Chulbul Pandey",age: 19},{name: "Anthony",age: 28},

{name: "Devdas",age: 56}

];

function returnMinors(students){

var output=[];

for(let i in students)

{

if(students[i].age<20)

{

output.push(students[i]);

}

}

return output;

}

var res= returnMinors(students);

console.log(res);