const readline = require('readline');

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

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

userInput.push(data);

});

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

var cat = {

name:'Fluffy',

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

catFriends: [

{

name: 'bar',

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

weight: 8,

furcolor: 'white'

},

{

name: 'foo',

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

weight: 3

}

]

}

cat.height=10;

cat.weight=5;

cat.name ='Fluffyy';

console.log(cat);

console.log('\nActivities:');

for(i in cat.activities)

console.log(cat.activities[i]);

console.log('\ncatFriends Name:')

for(i in cat.catFriends)

console.log(cat.catFriends[i].name);

let totalWeightofFriends=0;

for(i in cat.catFriends)

totalWeightofFriends += cat.catFriends[i].weight;

console.log('\nTotal weight of friends:'+totalWeightofFriends);

console.log('\nAll Activities:');

for(i in cat.activities){

console.log(cat.activities[i]);

}

for(j in cat.catFriends){

console.log(cat.catFriends[j].activities[j]);

}

console.log('\n More activities:');

cat.catFriends[0].activities.push('pur','fight');

cat.catFriends[1].activities.push('run around','bite');

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

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

cat.catFriends[0].furcolor = 'brown';

console.log('Fur color update: ');

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

});