let iString = "I am a string";

let iX = 45;

let iY = 23.12;

let iActive = true;

let iUnderfined;

let iNull = null;

let iObject = {};

let newX = iX + 5;

let nweX2 = newX + 5.5;

let newX3 = newX + "5.5";

let iArray = new Array();

console.log(typeof iArray);

let iArrayToo = [];

console.log(typeof iArrayToo);

let iArray3 = [1, 2, 3, "one", "two", "three"]

console.log("iArray3 = ", iArray3);

console.log("iArray3[0] = ", iArray3[0]);

iArray3[4] = 4

console.log("iArray3[4] = ", iArray3[4]);

let iMatrix = [[1, 2, 3],[4, 5, 6]];

console.log("iMatrix = ", iMatrix);

let people = [

    ["Вася", 25, false],

    ["петя", 23, false],

    ["Таня", 24, true],

];

console.log("people = ", people);

//let User = new Object();

let User = {

name: "Василий",

lastname: "Теркин",

age: 18

};

console.log(User);

console.log("User.name = ", User.name);

console.log("User.age = ", User.age);

delete User.age;

console.log(User);

let User2 = {

    name: "Василий",

    lastname: "Теркин",

    age: 18,

    interests:["Спорт", "Музыка", "Кино"],

    skills:["JavaScript", "Web programming", "HTML", "CSS"],

    pet:{

        name: "Мурзик",

        type: "Кот",

        color: "Черный",

    },

    };

    console.log(User2);

    let Dog = {

        name: "Шарик",

        color: "Белый",

    };

    Dog.voice = function(){

        console.log("Гав!");

    }

    Dog.voice();

    let Cat = {

        name: "Барсик",

        voice: function() {console.log("Мяу!");}

    }

    Cat.voice();

    let User3 = {

        name: "Василий",

        lastname: "Теркин",

        whoami : function(){

            console.log("Меня зовут " + this.name + " " + this.lastname + "!");

        }

    };

User3.whoami();

let propertyName = "firstname";

let User4 = {

    [propertyName]: "Василий",

};

console.log("User4.firstname = ", User4.firstname);

let User5 = {

    name: "Василий",

};

let Speciality = {

    type: "Программист"

}