JavaScript Objects



class Rectangle {

constructor(height, width) {

this.height = height;

this.width = width;

}

}

const obj = new Rectangle(3, 5);

obj.height; // 3

obj.width;

Rectangle;

const obj2 = new Rectangle(8, 5);

obj.height; // 3

obj.width;



Rectangle.prototype.area = **function** **area**() {

**return** **this**.width \* **this**.height;

};



r.hieght is the wrong variable name.

var person = {firstName: 'Albert', lastName:'Einstein'};

person

{firstName: "Albert", lastName: "Einstein"}

person.lastName = 'Nothing';

person

{firstName: "Albert", lastName: "Nothing"}



person.middleName;

undefined

person.middleName = 'Strong';

"Strong"

person.middleName;

"Strong"



var str = '({"firstName":"Bill","lastName":"Gates"})';

undefined

var obj23 = eval(str);

undefined

obj23

{firstName: "Bill", lastName: "Gates"}

obj23.firstName

"Bill"

const json = '{"result":true, "count":42}';

const obj345 = JSON.parse(json);

console.log(obj345.count);

Main



function person(fname, lname, age, skills, address = {city: String, pincode: Number}, dateOfBirth, married, profession) {this.fname = fname;

this.lname = lname; this.age = age; this.skills = skills; this.dateOfBirth = dateOfBirth; this.address = address; this.married = married; this.profession = profession;

}

person1=new person("nikhil","goud",22,["c"], {city:"hyderabad",pincode:"521185"},"24/10/1996","false","sr analyst");

person1;

person {fname: "nikhil", lname: "goud", age: 22, skills: Array(1), dateOfBirth: "24/10/1996", …}

person2=new person("harish","chinna",21,"HTML","08/06/1997",{city:"Ameerpet",pincode:"500038"},"false","jr analyst");

print = function(){

console.log(person1);

console.log(person2);

}();

person {fname: "nikhil", lname: "goud", age: 22, skills: Array(1), dateOfBirth: "24/10/1996", …}

VM2252:3 person {fname: "harish", lname: "chinna", age: 21, skills: "HTML", dateOfBirth: {…}, …}



amitabh=new person("amitabh","bachan",22,["c"],{city:"hyderabad",pincode:"521185"},"24/10/1996","false","sr analyst");

abhishek=new person("abhishek", amitabh.lname, 21,[amitabh.skills[0],"HTML"],amitabh.address, "08/06/1997", "false","jr analyst");

var abhishek = Object.create(amitabh);

print=function()

{

console.log(amitabh);

console.log(abhishek.Iname); console.log(abhishek.address);

}();

aaradhya=new person("aaradhya", amitabh.lname, 3,[amitabh.skills[0], abhishek.skills[1]],amitabh.address, "unknown", "false","unknown");

function bankAccount(accountNumber, accountHolderName, accountBalance){

accountNumber = this.accountNumber; accountHolderName = this.accountHolderName, accountBalance = this.accountBalance;}

Savings = new bankAccount();

Savings.isSalary = this.isSalary;

Current = new bankAccount();

Current.odLimit = this.odLimit;

Savings.withdraw = function withdraw(amount){

if (Savings.accountBalance > 0 && Savings.accountBalance>amount){Savings.accountBalance -= amount;}

};

Savings.accountBalance = 1000;

Savings.withdraw(500);

Savings.accountBalance;

Current.withdraw = function withdraw(amount){

if(Current.accountBalance+Current.odLimit>amount){Current.accountBalance -= amount;}

}

Current.accountBalance = 500;

Current.odLimit= 500;

Current.accountBalance;