Assignment-3

1

class Rectangle {

constructor(width,height){

this.width=width;

this.height=height;

}

getwidth(){

console.log('The width is : '+this.width);

}

getheight(){

console.log('The height is : '+this.height);

}

}

var r1 = new Rectangle(10,11)

r1.getwidth();

r1.getheight();

2

class Rectangle {

constructor(height, width) {

this.height = height;

this.width = width;

}

get area() {

return this.calcArea();

}

calcArea() {

return this.height \* this.width;

}

}

const square = new Rectangle(4, 5);

console.log(square.area);

3

class rectangle{

constructor(width, height) {

this.width = width;

this.height = height;

}

getArea()

{

console.log(this.width\*this.height);

}

}

const ram = new rectangle(4,5);

console.log(ram.width)

console.log(ram.height)

ram.height=50;

ram.getArea()

4 function person(firstName, lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

const Ram = new person("Raju", "Krishna");

console.log(Ram.firstName)

console.log(Ram.lastName)

Ram.lastName="Arjun";

console.log(Ram.firstName)

console.log(Ram.lastName)

5

function person(firstName, lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

const Ram = new person("Raju", "Krishna");

console.log(Ram.middleName);

Ram.middleName="Arjun";

console.log(Ram.firstName);

console.log(Ram.middleName);

console.log(Ram.lastName);

6

function person(firstName, lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

var firstName = 'ram';

var lastName = 'Arjun';

var fullName = `${firstName} ${lastName}`;

eval(`${firstName} ${lastName}`);

7

function person(firstName, lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

var firstName = 'ram';

var lastName = 'Arjun';

var fullName = `${firstName} ${lastName}`;

paarseJSON(fullName);

1

function person(fname, lname, age, skills, dateofbirth, address, 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("MS", "Dhoni", 40, ["Wicketkeeper"], "07/07/1981", { city: "Warangal", pincode: "506015" }, "false", "Captain")

person2 = new person("Raina", "Suresh", 37, "Batsmen", "08/06/1987", { city: "Hydrabad", pincode: "512452" }, "false", "Vice Captain")

console.log(person1);

console.log(person2);

2

function person(fname, lname, age, skills, dateofbirth, address, 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;

}

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

abhisheik = new person("abhisheik", 21, "HTML", "08/06/1997", "false", "jr analyst")

var abhisheik = Object.create(amithab);

console.log(amithab);

console.log(abhisheik.lname);

console.log(abhisheik.address);

3

function person(fname, lname, age, skills, dateofbirth, address, 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;

}

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

abhisheik = new person("abhisheik", 21, "HTML", "08/06/1997", "false", "jr analyst")

var abhisheik = Object.create(amithab);

Aaradhya = new person("aaradhya", amithab.lname, amithab.age, "HTML", "08/06/1997", abhisheik.address, abhisheik.married, amithab.profession);

console.log(amithab);

console.log(abhisheik.lname);

console.log(abhisheik.address);

console.log(Aaradhya);

4

function BankAccount(accountNumber, accountHolderName, accountBalance, isSalary = false, odLimit = NaN) {

this.accountNumber = accountNumber;

this.accountHolderName = accountHolderName;

this.accountBalance = accountBalance;

this.isSalary = isSalary;

this.odLimit = odLimit;

}

BankAccount.withDraw() = function(drawAmount) {

if (this.isSalary) {

if (this.accountBalance > drawAmount) {

this.accountBalance -= drawAmount;

console.log('Withdrawn Successfully');

}

console.log('Insufficient Funds');

} else {

if (drawAmount < accountBalance + odLimit) {

this.accountBalance -= drawAmount;

console.log('Withdrawn Successfully');

}

console.log('Insufficient Funds');

}

}

var account1 = new BankAccount(1, 'Ram', 10000, true);

var account1 = new BankAccount(2, 'Krishna', 35000, false, 1000);