1. Compare the last digit of two parameters in a function and output true if they are the same.
2. What is the output of the following code

var arr1 = "john".split('');

var arr2 = arr1.reverse();

var arr3 = "jones".split('');

arr2.push(arr3);

console.log("array 1: length=" + arr1.length + " last=" + arr1.slice(-1));

console.log("array 2: length=" + arr2.length + " last=" + arr2.slice(-1));

1. Write code that explains the proper and true meaning of closures.
2. What is the best way to avoid stack overflow, explain with code.
3. What is the problem with the following code and write code to fix it.

function MyClass() {

this.a = 10;

this.do = function() {

http.get('blablabla', function(data) {

this.a = data.new\_a;

});

};

}

1. Write a function that takes two objects as parameters and returns true if the object are the same / equal.
2. Which one of the following are true or false?

* Is 'false' is false?
* Is ' ' is false?
* What about {}?
* What about new String('')?
* Boolean(function(){})

1. What is the output of the following code

var a = 1;

function b() {

a = 10;

return;

function a() {}

}

b();

console.log(a);

1. What is the output of the following code

var myObject = {

price: 20.99,

get\_price : function() {

return this.price;

}

};

var customObject = Object.create(myObject);

customObject.price = 19.99;

delete customObject.price;

console.log(customObject.get\_price())

1. Write code to clearly explain pass by reference and pass by value in JavaScript.
2. Write a function that takes two string parameters and returns true if one of the parameter is a substring of the other string parameter.
3. Write code that demonstrate the use of IIFE.
4. In which sequence, will the following code run

doA( function(){

doB();

doC( function(){

doD();

} )

doE();

} );

doF();

1. Write a recursion based solution to count vowels in a given string.
2. Implement functions add, sub, mul and div with the signature func((num1, num2, callback(err, data))