# JavaScript Homework #3 – Function Scope

What will the codes below output to the console and why?

function f(){

var a = b = 3;

}

f();

console.log("a defined? " + (typeof a !== 'undefined'));

console.log("b defined? " + (typeof b !== 'undefined'));

function foo1()

{

return {

bar: "hello"

};

}

function foo2()

{

return

{

bar: "hello"

};

}

Imagine you have this code:

var a = [1, 2, 3];

a) Will this result in a crash?

a[10] = 99;

b) What will this output?

console.log(a[6]);

var num = 10,

name = "Addy Osmani",

obj1 = {

value: "first value"

},

obj2 = {

value: "second value"

},

obj3 = obj2;

function change(num, name, obj1, obj2) {

num = num \* 10;

name = "Paul Irish";

obj1 = obj2;

obj2.value = "new value";

}

change(num, name, obj1, obj2);

console.log(num);

console.log(name);

console.log(obj1.value);

console.log(obj2.valuee);

console.log(obj3.valuee);