

# Chapter 103: Anti-patterns

## Section 103.1: Chaining assignments in var declarations

Chaining assignments as part of a **var** declaration will create global variables unintentionally.

For example:

```
(function foo() {  
    var a = b = 0;  
})();  
console.log('a: ' + a);  
console.log('b: ' + b);
```

Will result in:

```
Uncaught ReferenceError: a is not defined  
'b: 0'
```

In the above example, `a` is local but `b` becomes global. This is because of the right to left evaluation of the `=` operator. So the above code actually evaluated as

```
var a = (b = 0);
```

The correct way to chain var assignments is:

```
var a, b;  
a = b = 0;
```

Or:

```
var a = 0, b = a;
```

This will make sure that both `a` and `b` will be local variables.