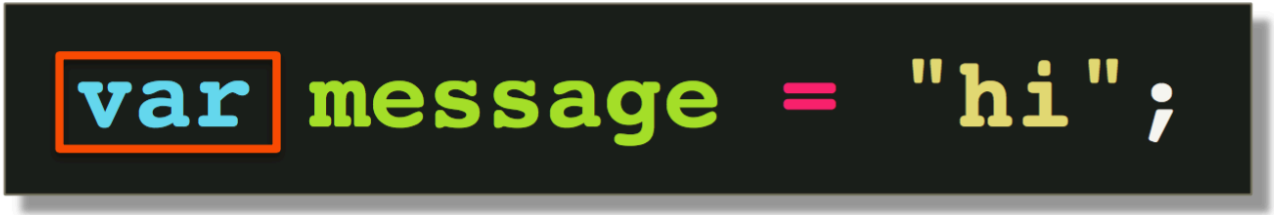
7 LYGIS

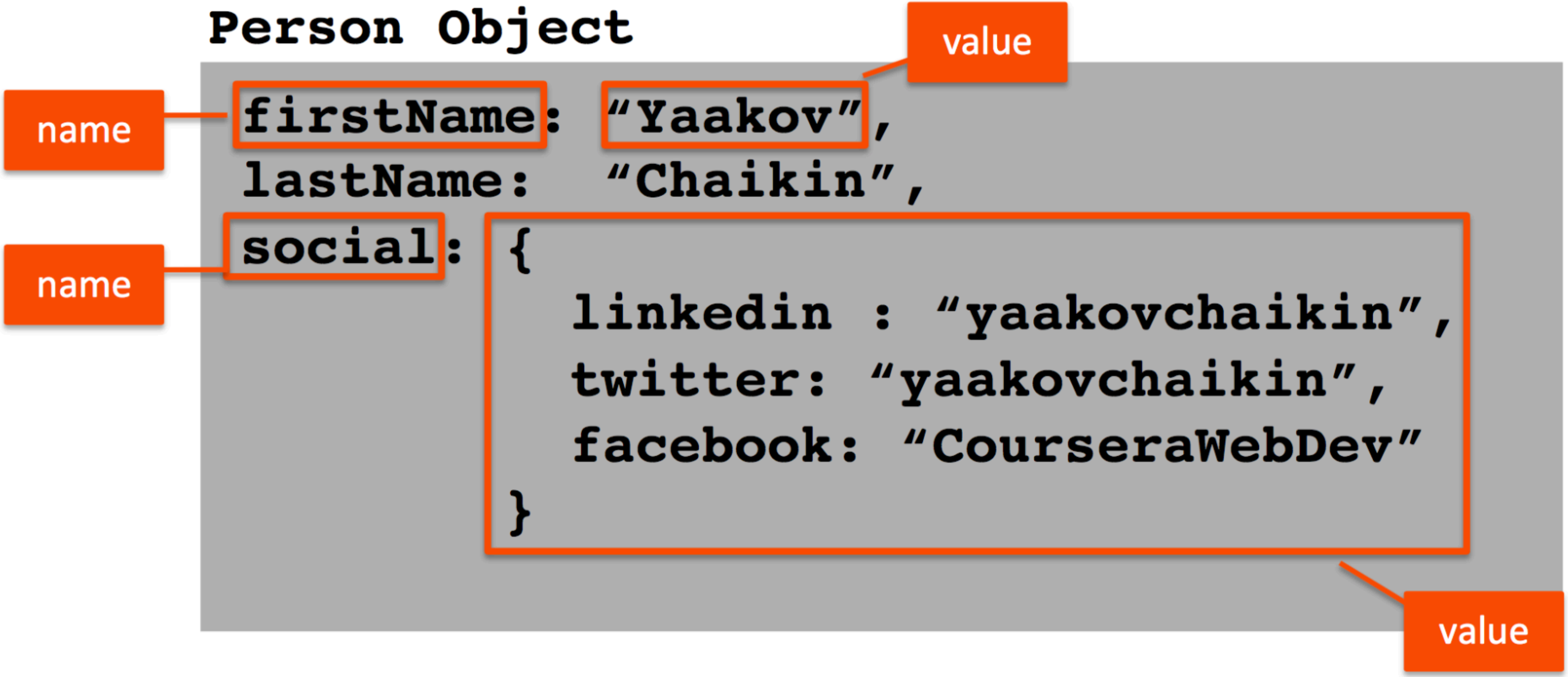
JAVASCRIPT

KINTAMIEJI



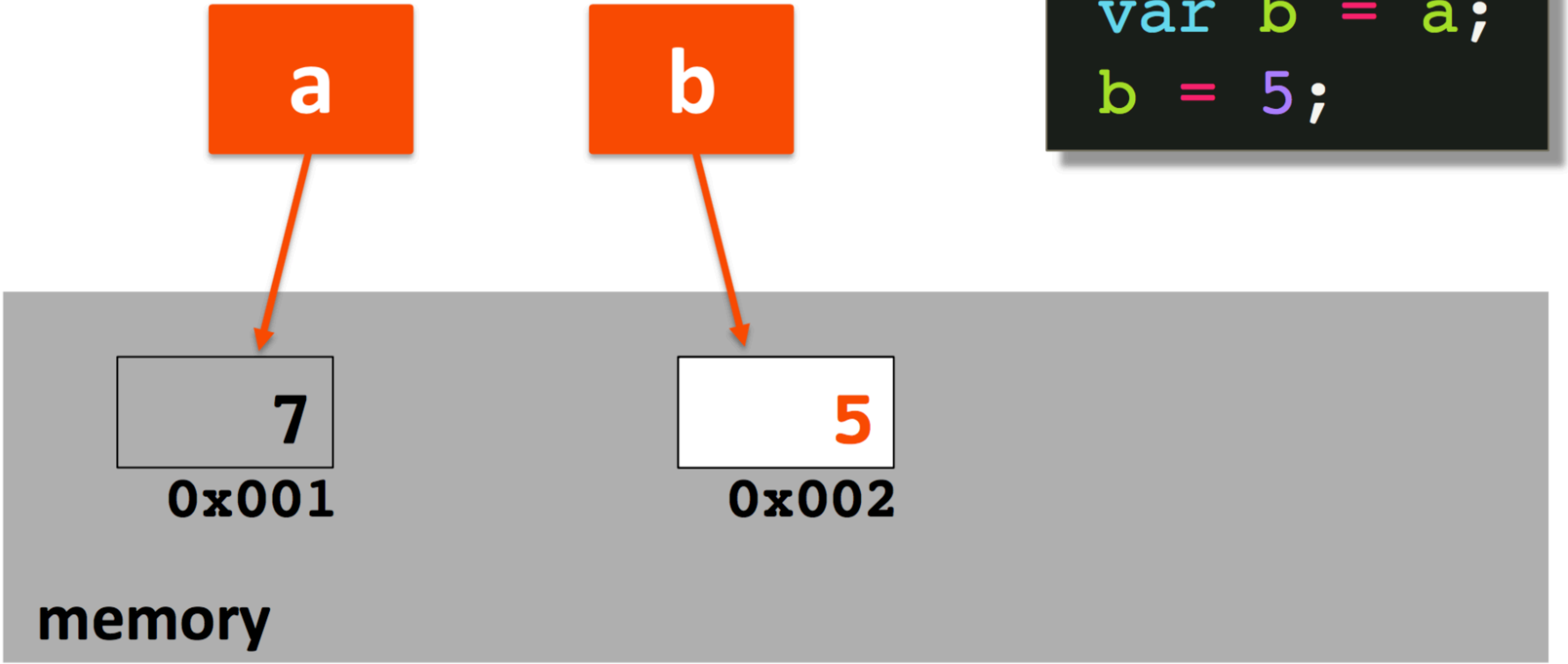
```
var message = "hi";
```

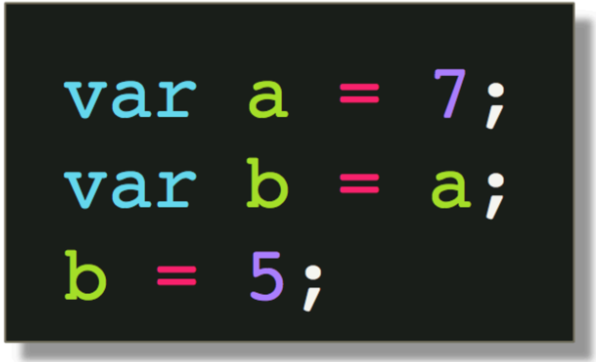
Person Object



```
firstName:  “Yaakov”,
lastName:   “Chaikin”,
social: {
           linkedin : “yaakovchaikin”,
           twitter: “yaakovchaikin”,
           facebook: “CourseraWebDev”
        }
```

Passed by value

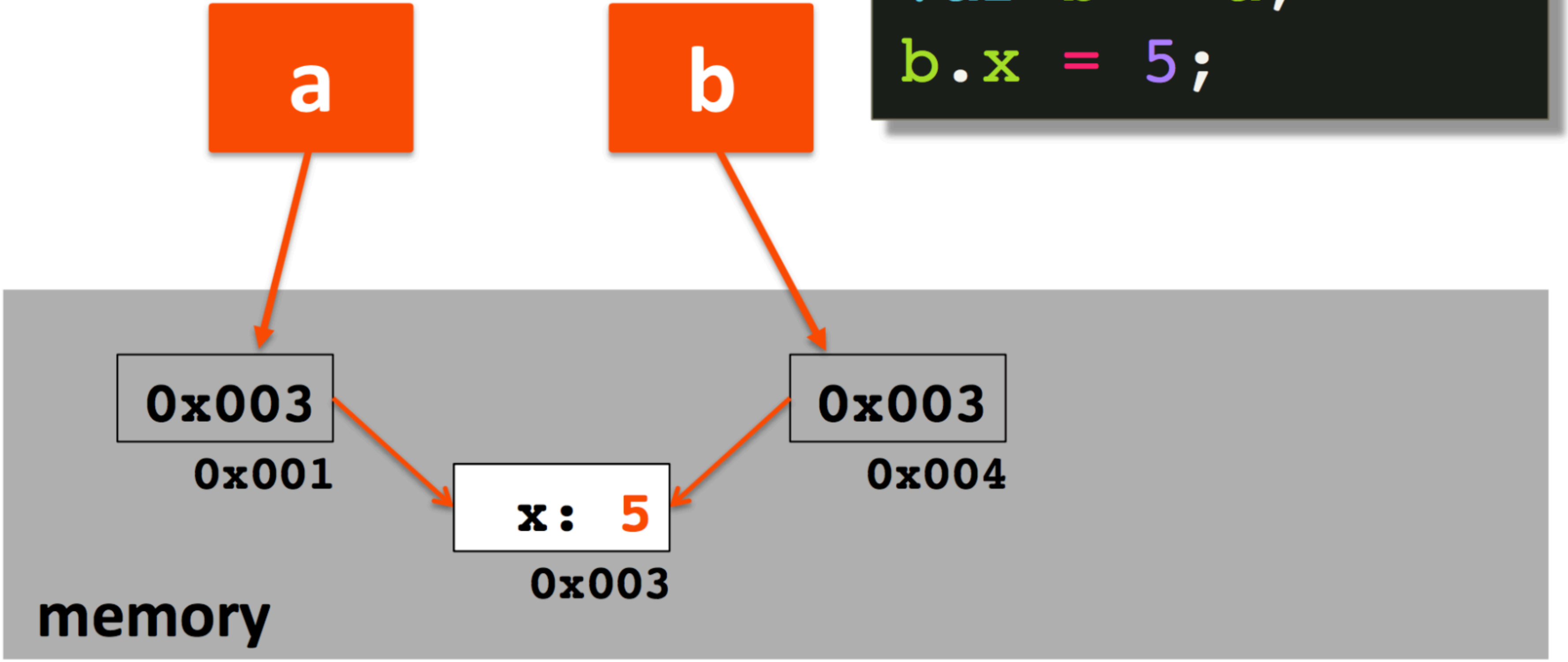




```
var a = 7;
var b = a;
b = 5;
```

Passed by reference

```
var a = {x: 7};
var b = a;
b.x = 5;
```

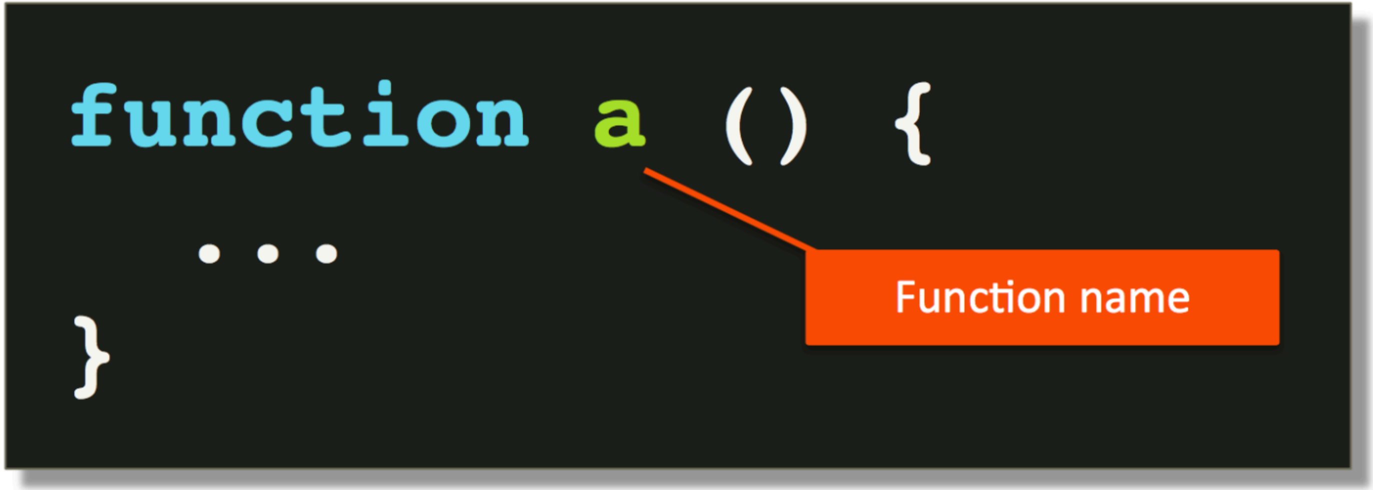


JAVASCRIPT TIPAI

OBJECT vs PRIMITIVE

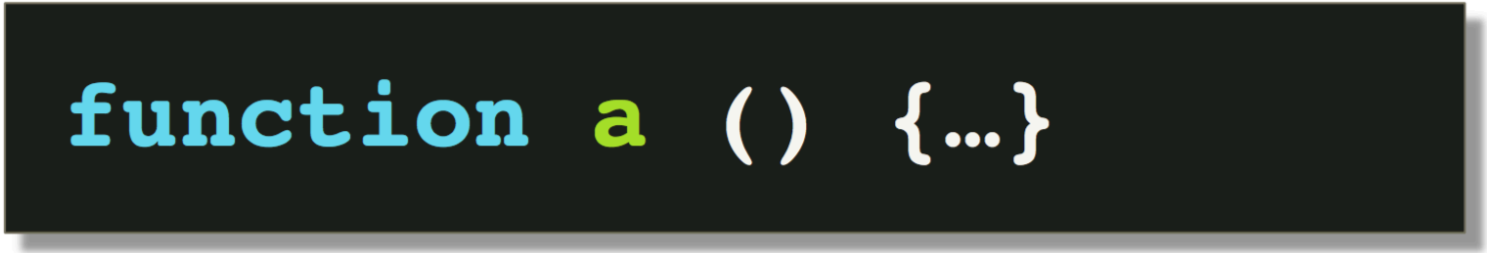
BOOLEAN
UNDEFINED
NULL
NUMBER
STRING

FUNKCIJOS

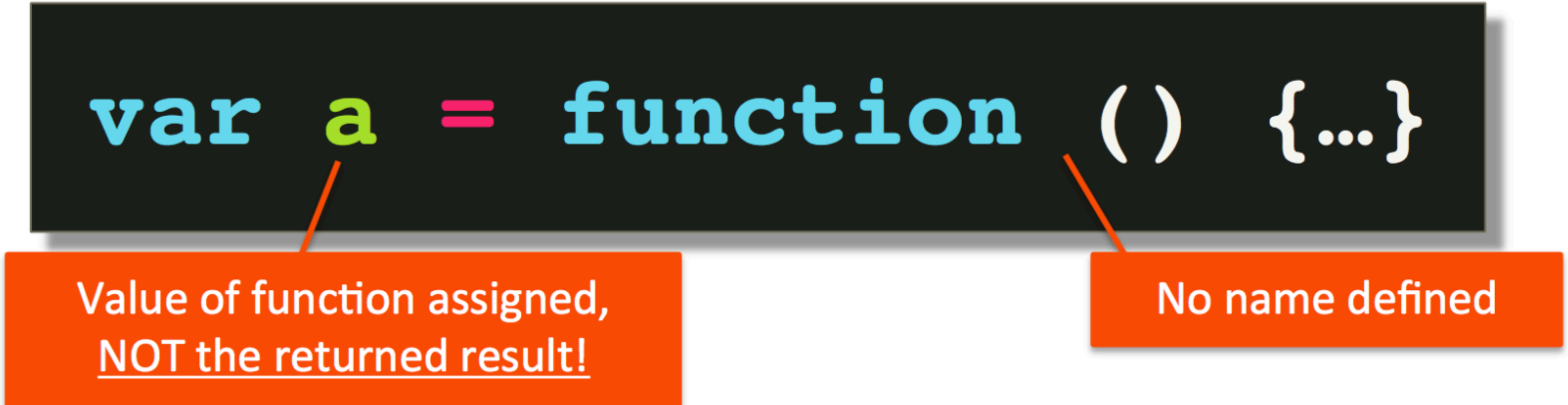


```
function a () {
    ...
}
```

FUNKCIJŲ DEKLARACIJA



```
function a () {…}
```

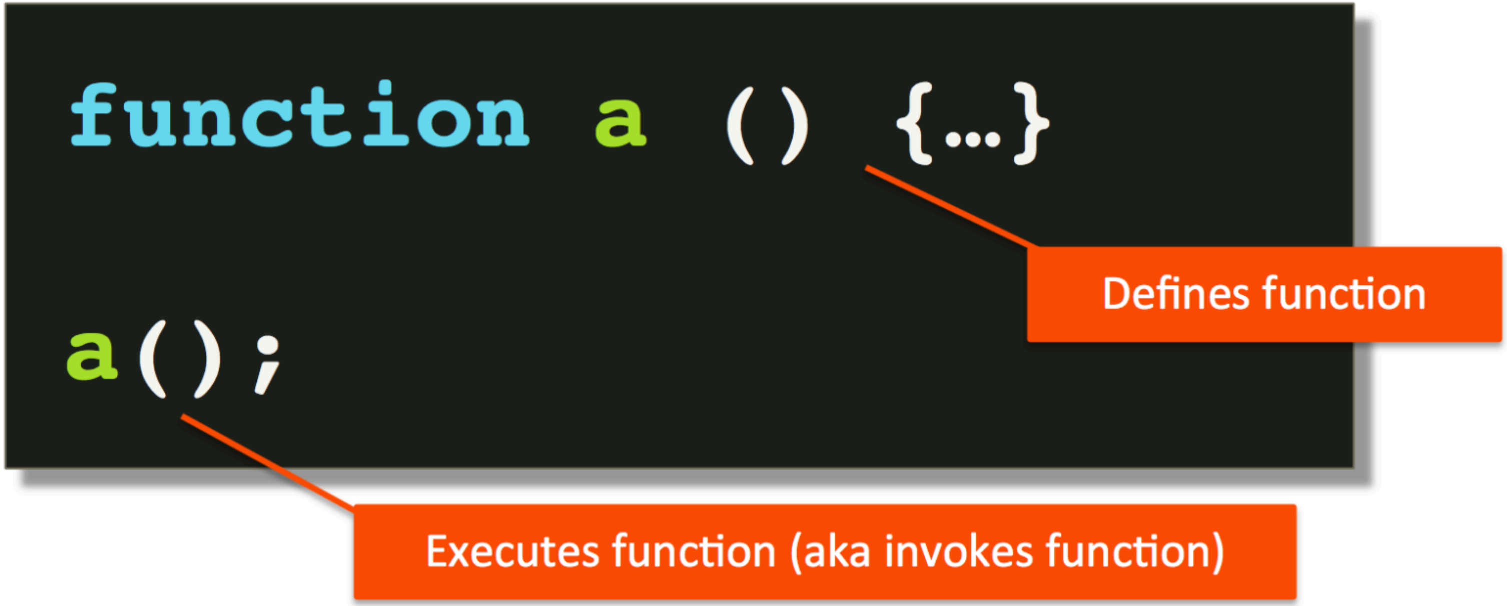


```
var a = function () {…}
```

Value of function assigned,
NOT the returned result!

No name defined

FUNKCIJŲ VYKDYMAS



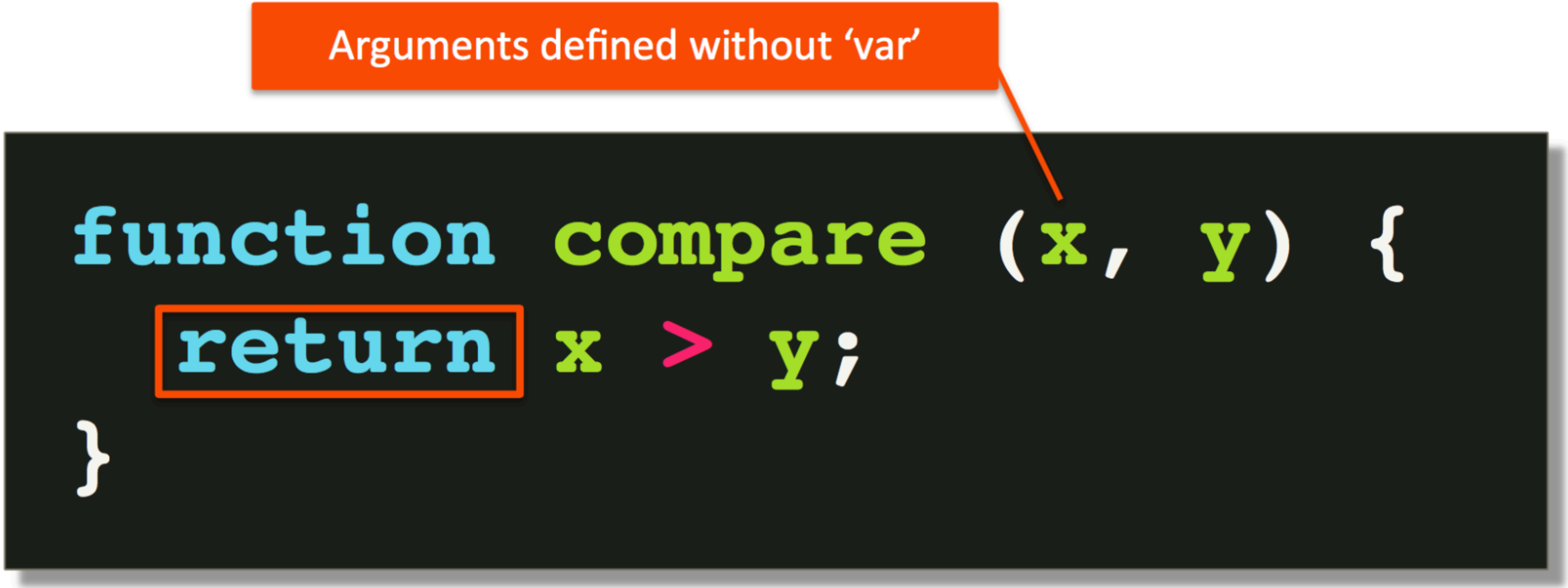
```
function a () {…}

a();
```

Defines function

Executes function (aka invokes function)

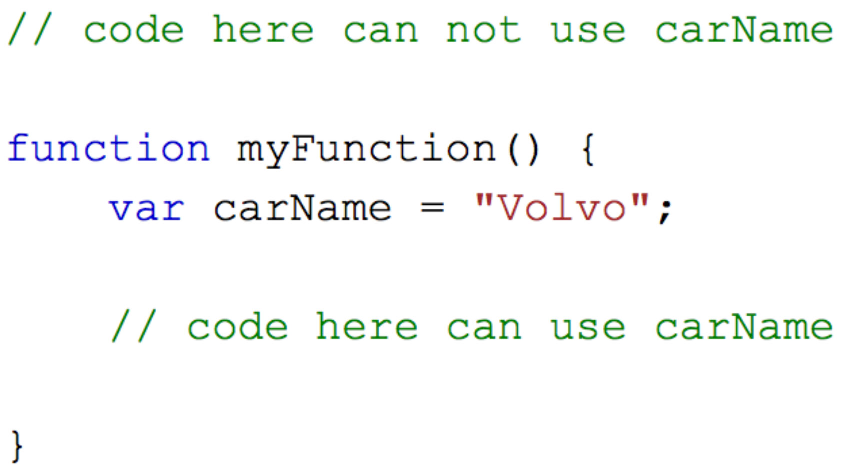
FUNKCIJŲ ARGUMENTAI



Arguments defined without ‘var’

```
function compare (x, y) {
  return x > y;
}
```

SCOPE
LOCAL



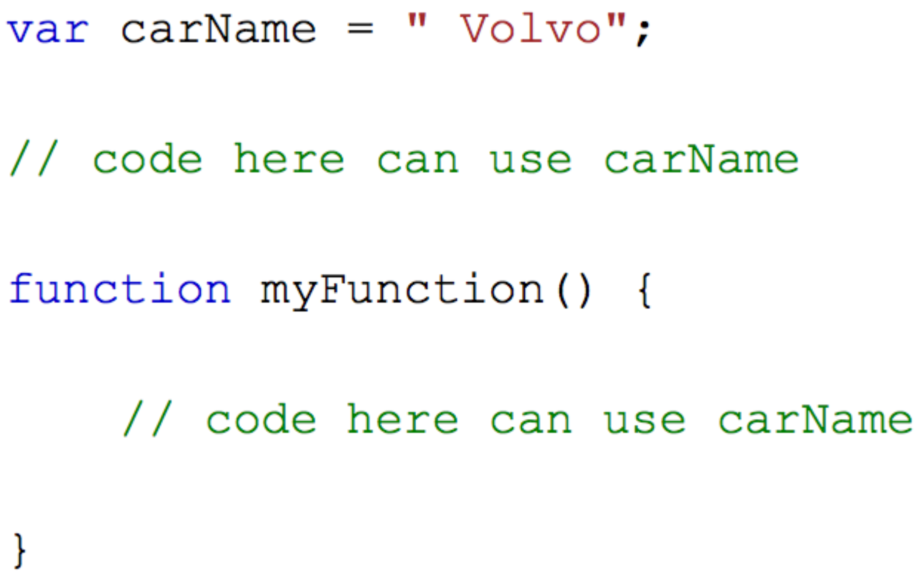
```
// code here can not use carName

function myFunction() {
    var carName = "Volvo";

    // code here can use carName

}
```

SCOPE
GLOBAL



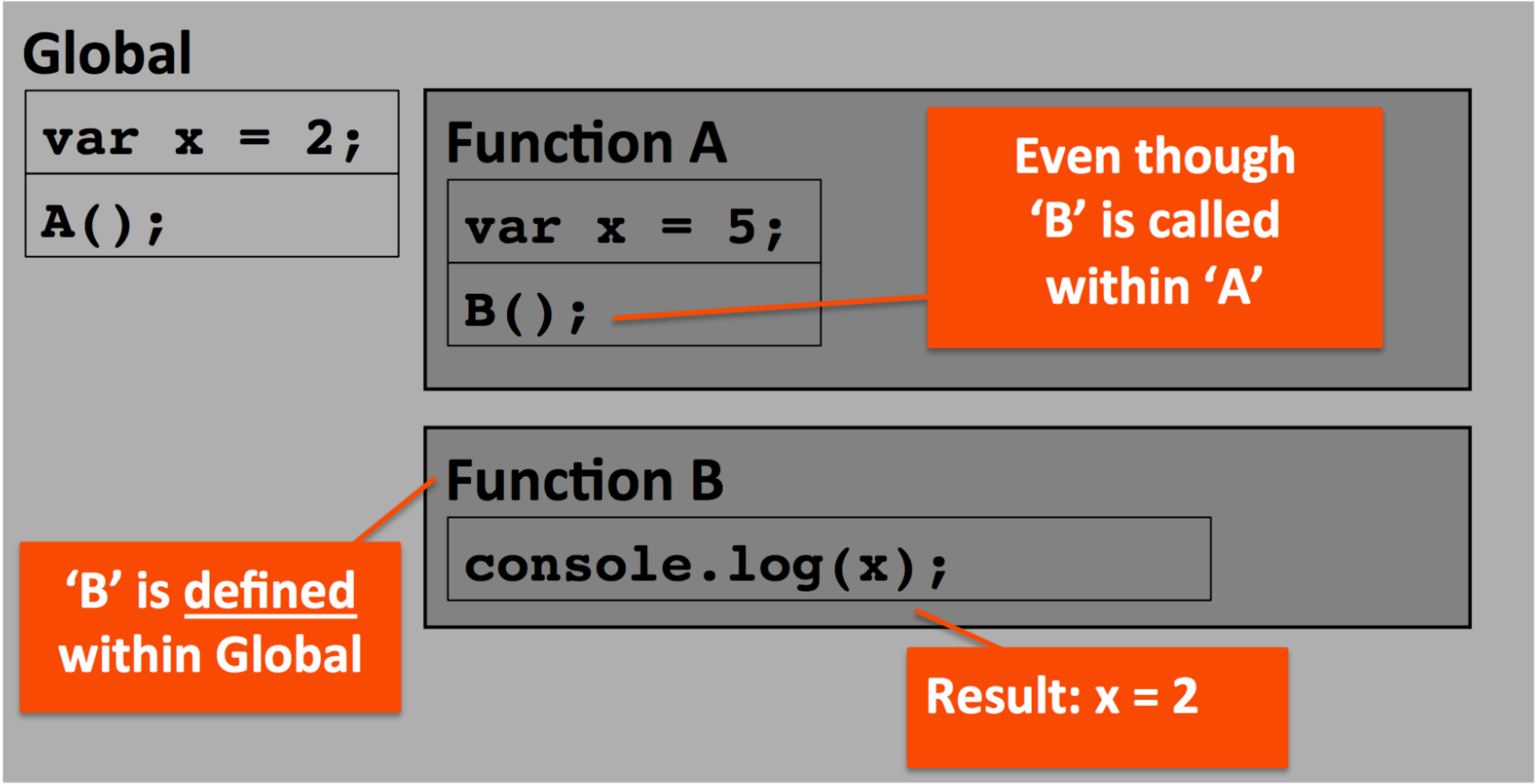
```
var carName = " Volvo";

// code here can use carName

function myFunction() {

    // code here can use carName

}
```



Global

```
var x = 2;
A();
```

Function A

```
var x = 5;
B();
```

Even though ‘B’ is called within ‘A’

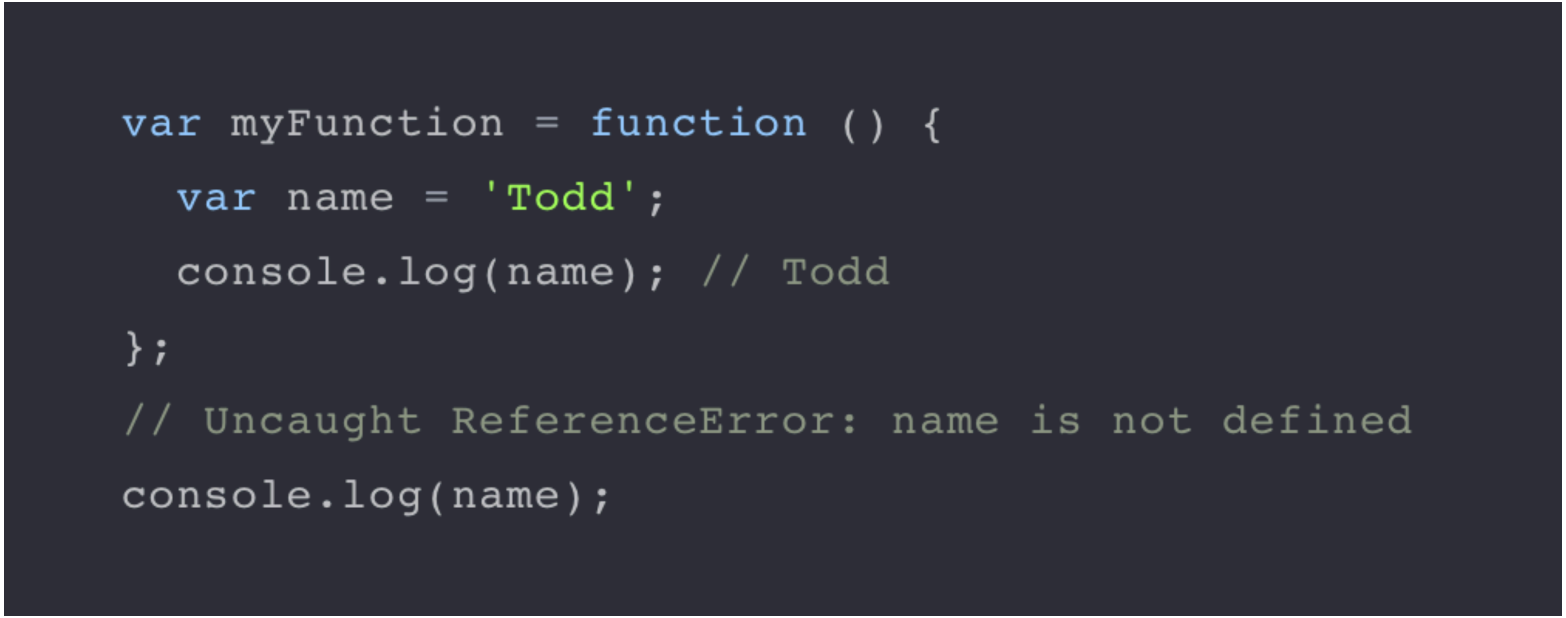
Function B

```
console.log(x);
```

‘B’ is <u>defined</u> within Global

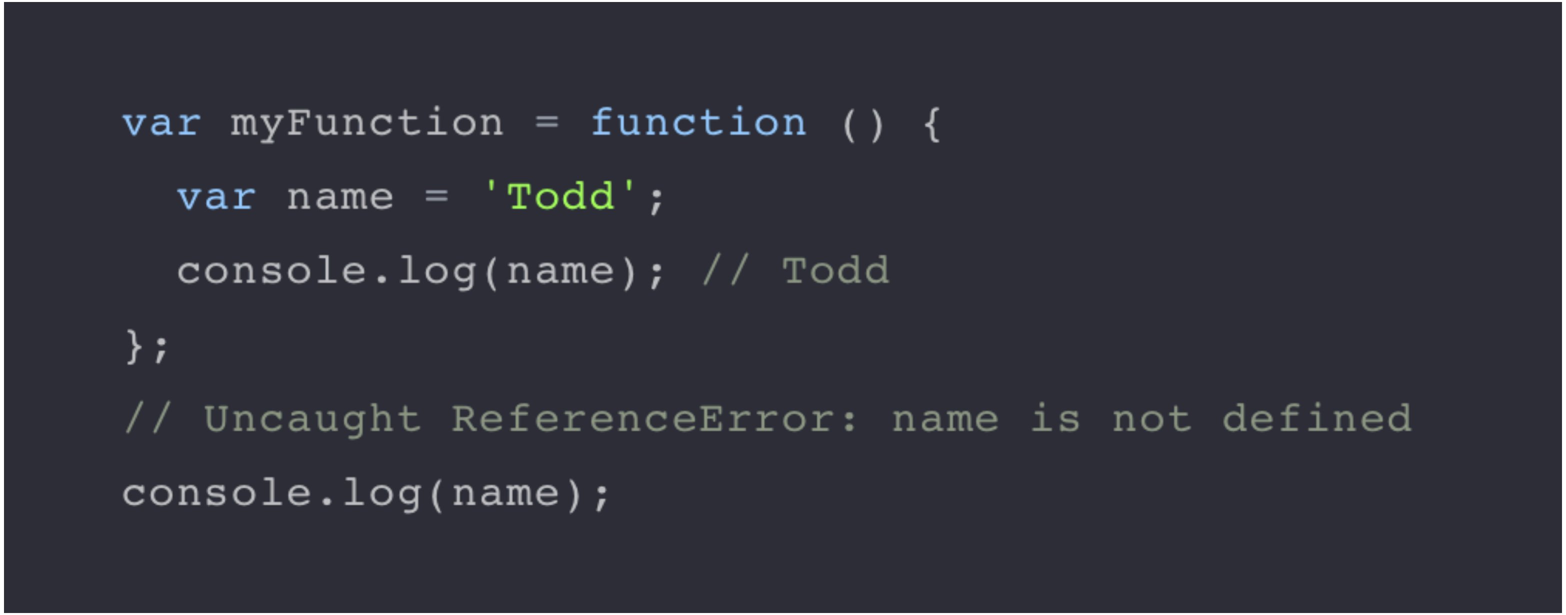
Result: x = 2

GLOBAL VS LOCAL



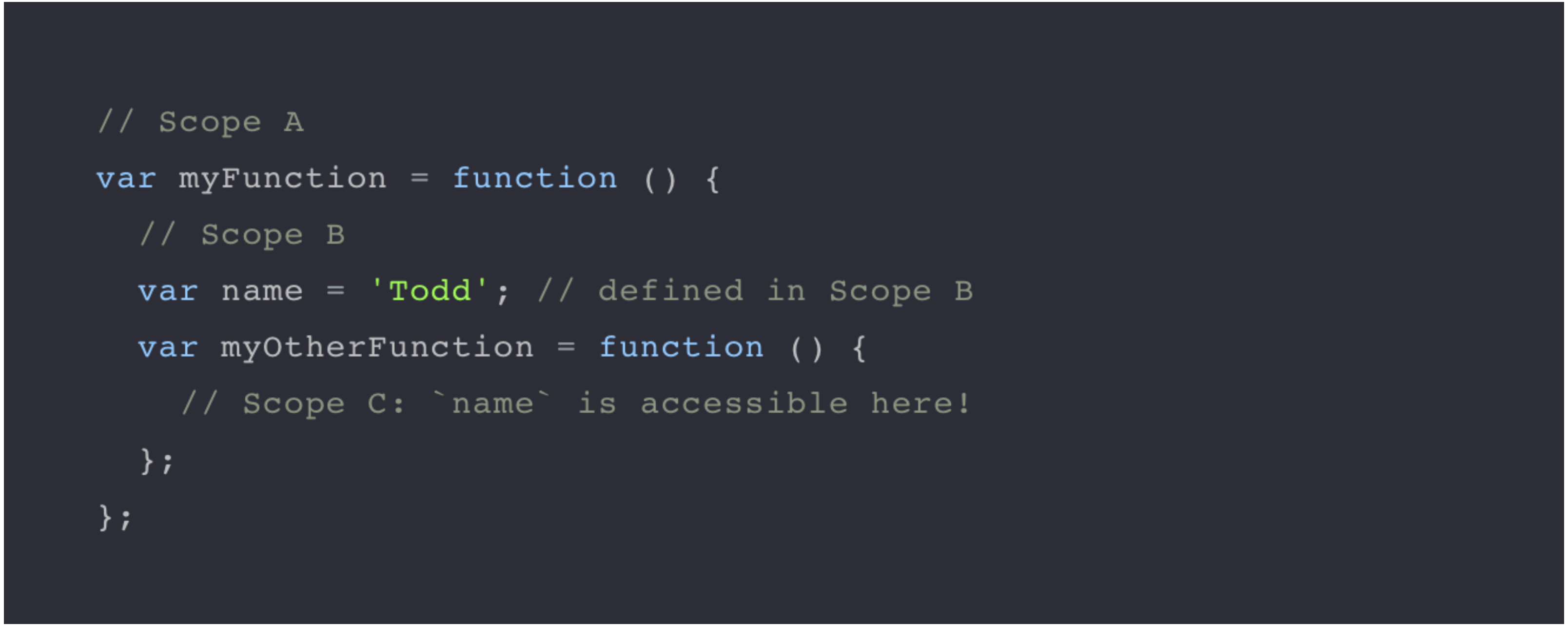
```
var myFunction = function () {
  var name = 'Todd';
  console.log(name); // Todd
};
// Uncaught ReferenceError: name is not defined
console.log(name);
```

FUNCTION SCOPE



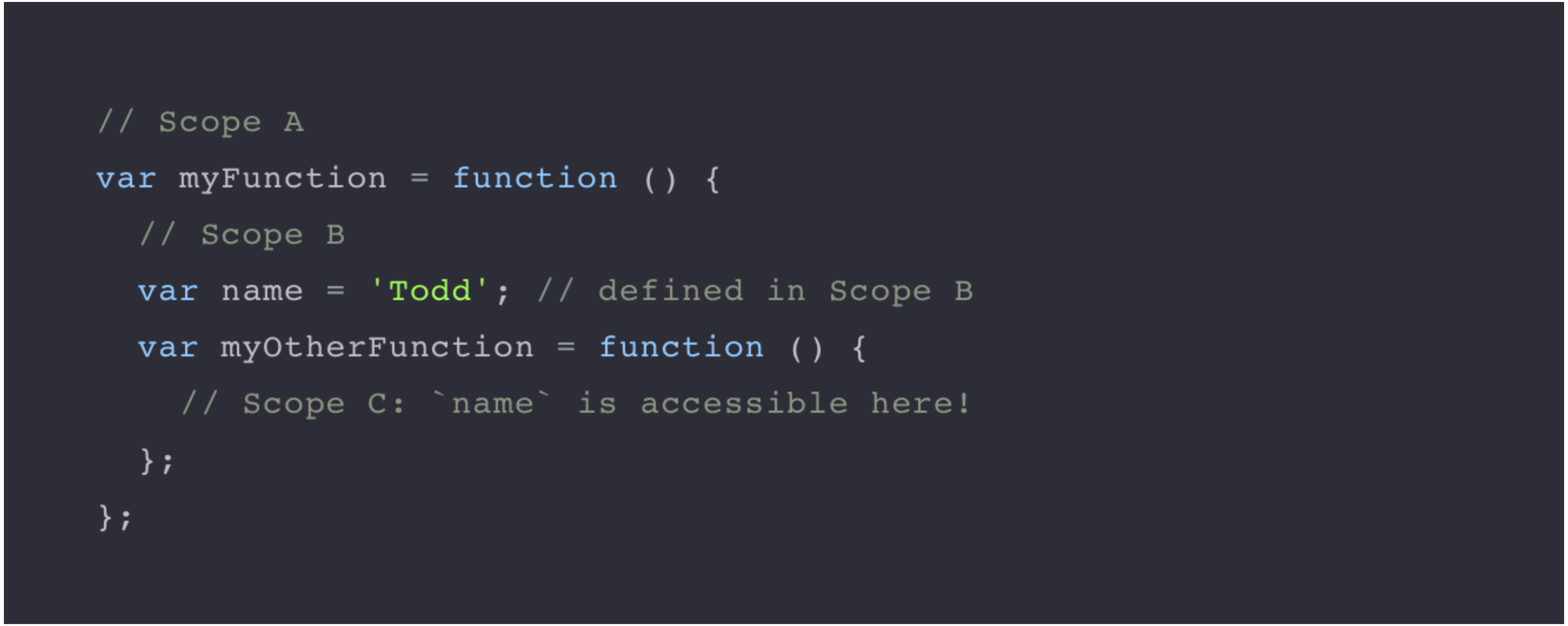
```
var myFunction = function () {
  var name = 'Todd';
  console.log(name); // Todd
};
// Uncaught ReferenceError: name is not defined
console.log(name);
```

PAVELDIMUMAS



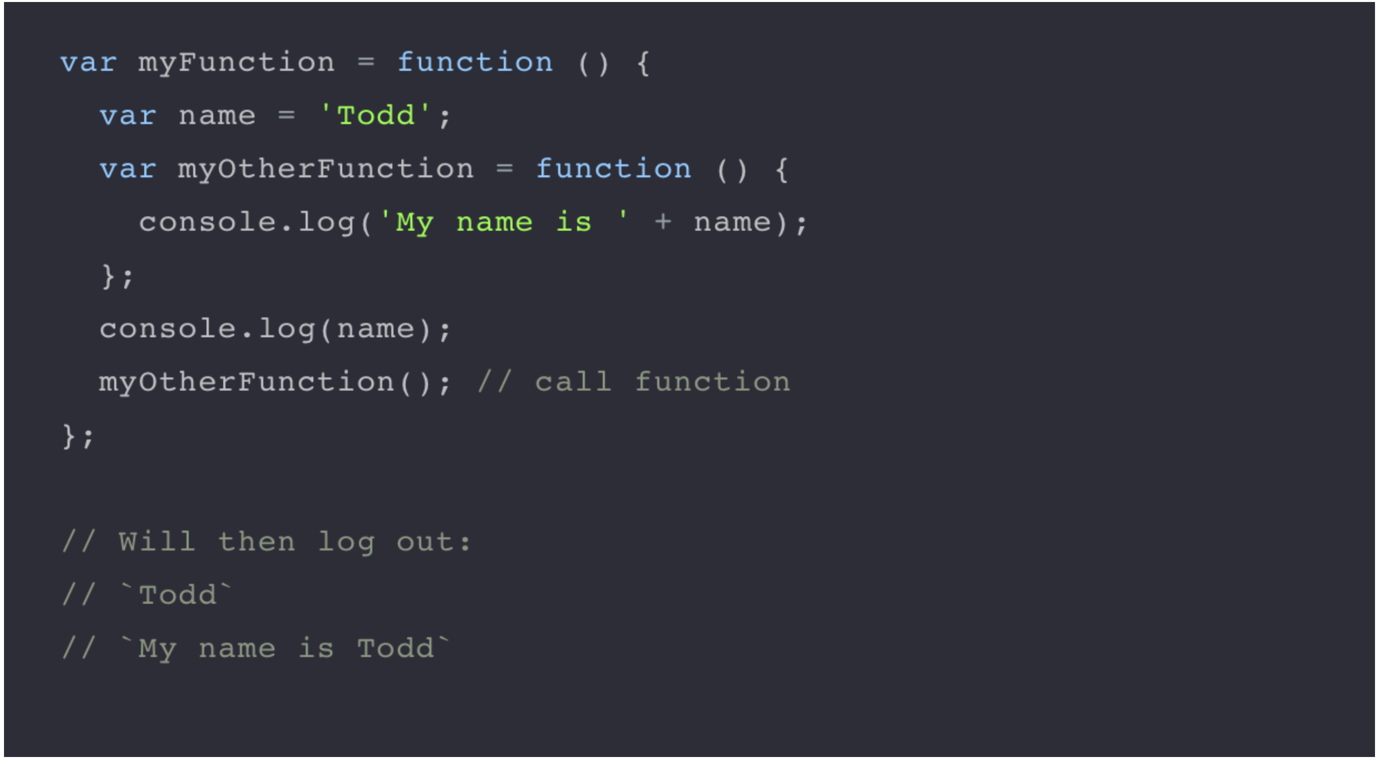
```
// Scope A
var myFunction = function () {
  // Scope B
  var name = 'Todd'; // defined in Scope B
  var myOtherFunction = function () {
    // Scope C: `name` is accessible here!
  };
};
```

PAVELDIMUMAS



```
// Scope A
var myFunction = function () {
  // Scope B
  var name = 'Todd'; // defined in Scope B
  var myOtherFunction = function () {
    // Scope C: `name` is accessible here!
  };
};
```

EILIŠKUMAS



```
var myFunction = function () {
  var name = 'Todd';
  var myOtherFunction = function () {
    console.log('My name is ' + name);
  };
  console.log(name);
  myOtherFunction(); // call function
};

// Will then log out:
// `Todd`
// `My name is Todd`
```