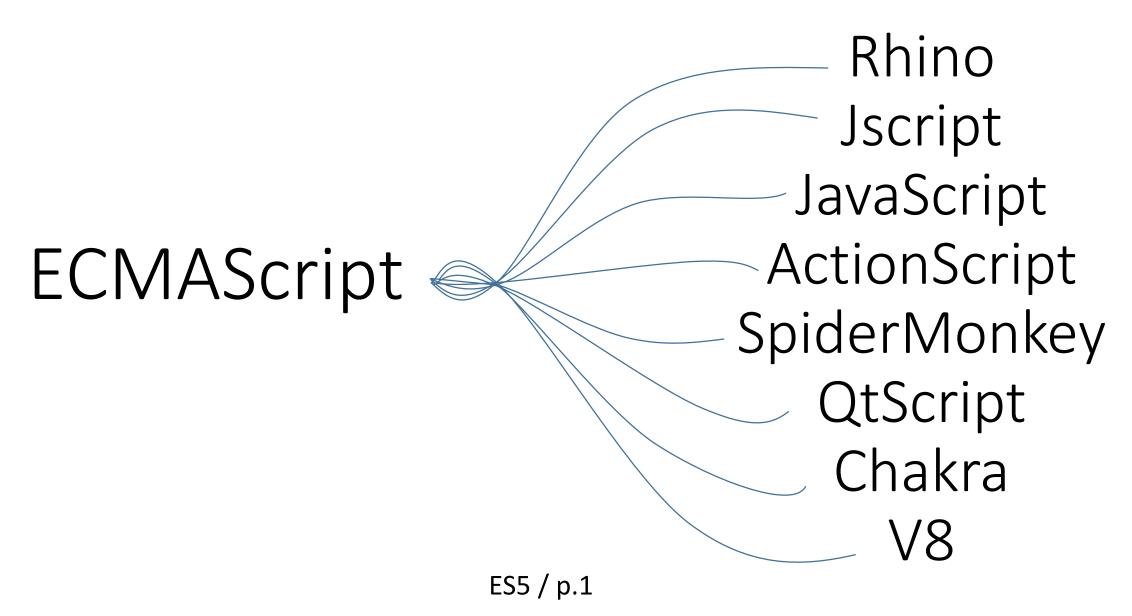
ES5 / p.1

LiveScript

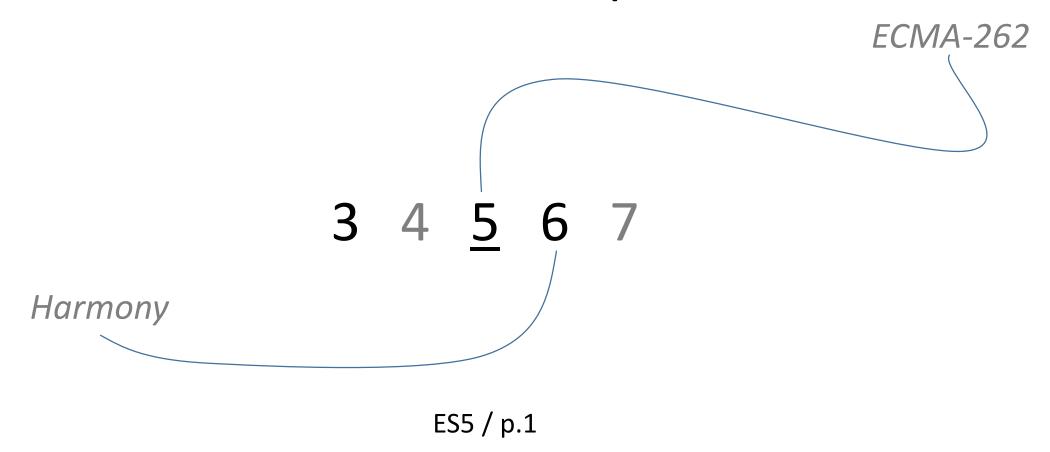
JavaScript

Java



• • •

ECMAScript



Babel

CoffeeScript TypeScript Dart

The world's <u>most misunderstood</u>
programming language
has become
the world's <u>most popular</u>
programming language

Douglas Crockford, 2008

ES5 / p.1

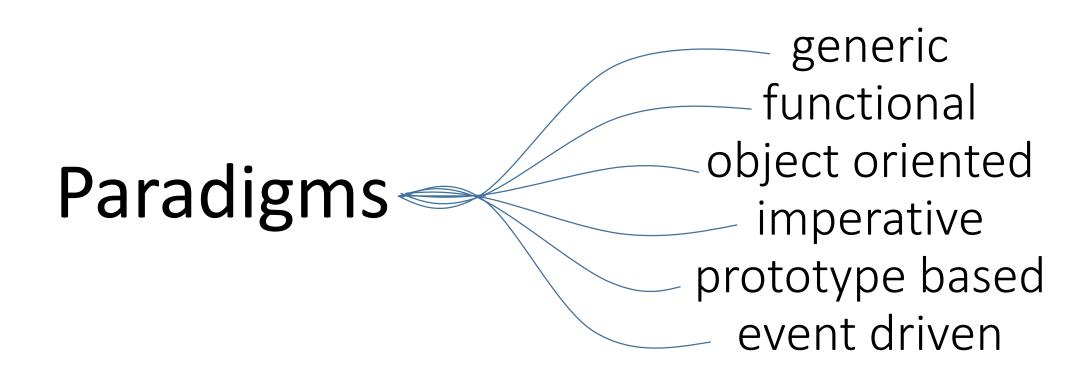
640+ APIs

Application Programming Interface

https://developer.mozilla.org/en-US/docs/Web/API

Tendencies

adherence of standards features of desktop apps less bugs & faster



ecmascript.org
developer.mozilla.org
help.dottoro.com
caniuse.com

Examples

src="my-script.js"

type="text/javascript"
language="javascript"

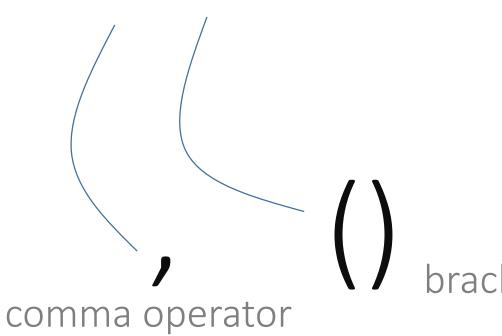
Utf-8

```
<script src="1.js">
                          </script>
<script src="2.js" defer>
                          </script>
<script src="3.js" async>
                          </script>
```

Syntax

Statements vs Expressions action value

action curly brackets semicolon



ES5 / p.1

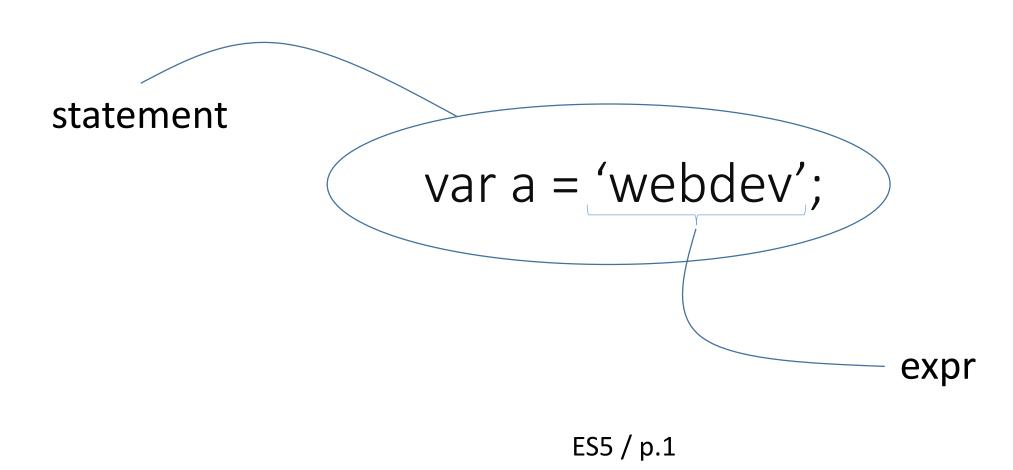
side effects

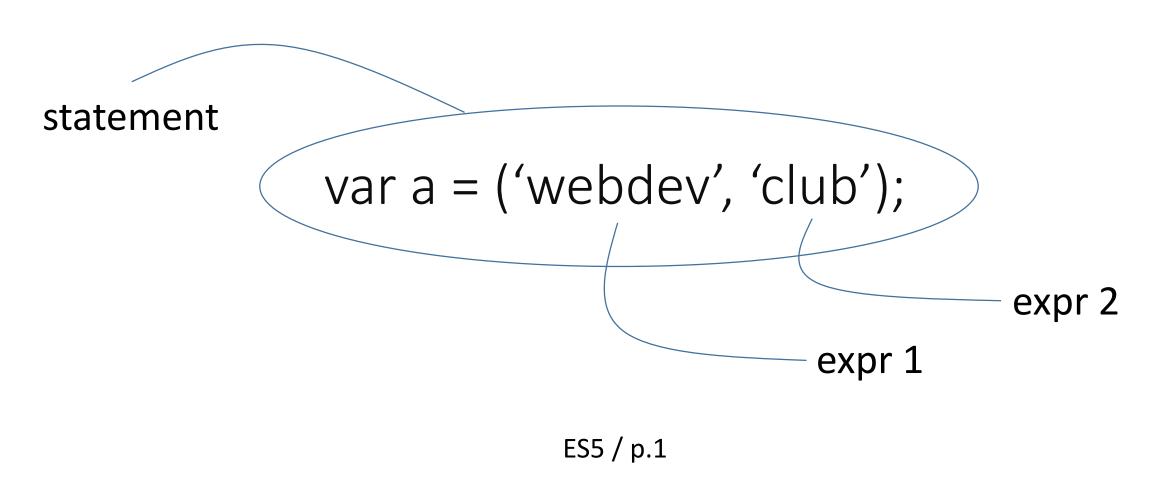
var, for, if, switch, throw, return, try...

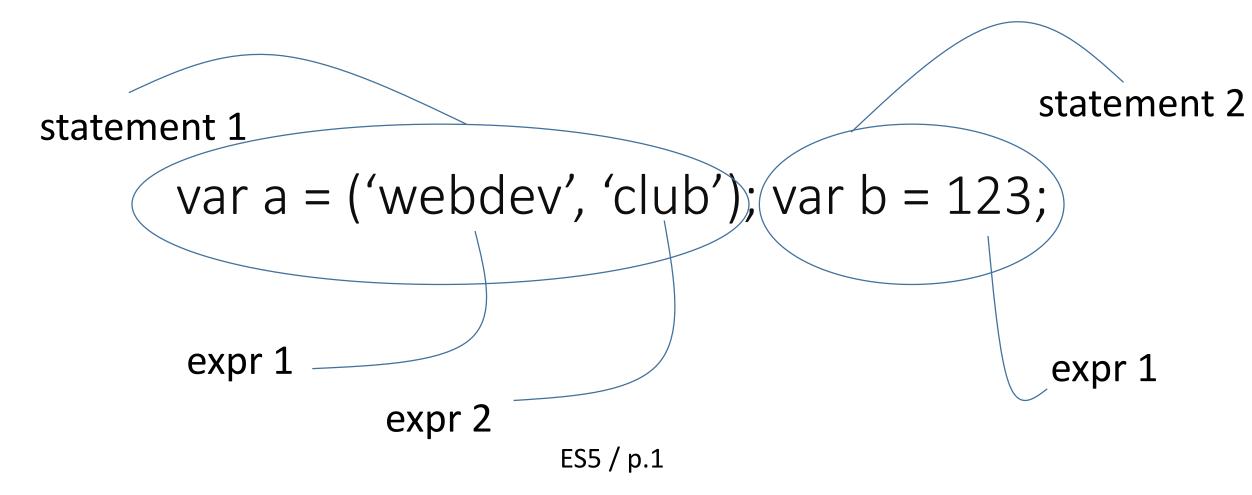
Expressions

returns value

2 + 3, 'webdev club'







Comments

```
// comment

A lot
Of
Comments

*/
```

variable statement

```
var rok = 2015;
var dalsiRok = rok + 1;
var rok;
var tentoRok = rok = 2016;
var minulyRok = 2014, dalsiRok = 2016;
```

variable statement

```
Utf-8
     1 somester
   no whitespace
   case sensitive
\u0072\u006F\u006B
```

ES5 / p.1

let const

hoisting scope

Output

environment console console.log() alert()

Output

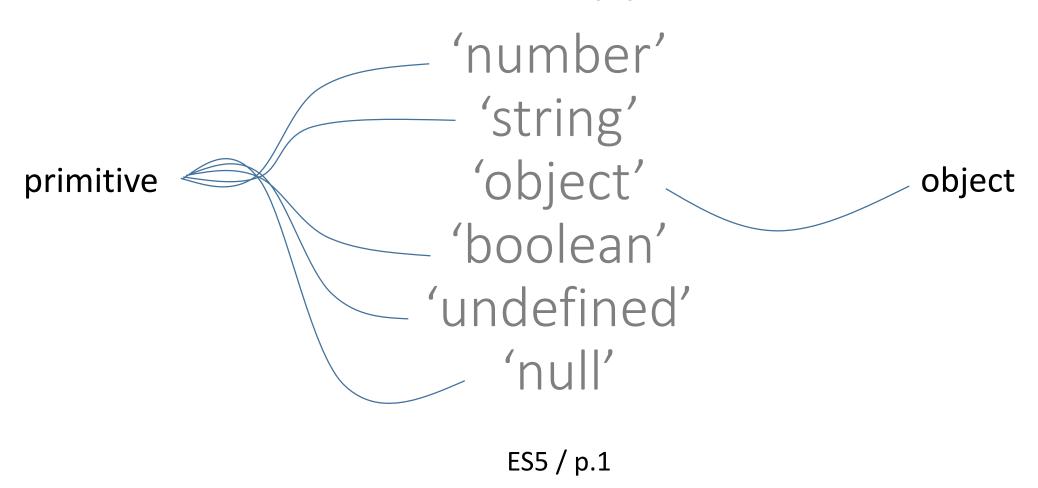
```
console.log(1 + 2);
console.log('webdev');
var a = 123; console.log(a);
```

Output

```
var clog = console.log.bind(console);
clog(123 + 321);
```

typeof

```
console.log(typeof 123);
var wd = 'webdev'; console.log(typeof wd);
```



'symbol' 'function'

arrays

```
Number
String
Object
Boolean
Function
Array
Symbol
```

Casting Auto-boxing

123 vs '123' 0 vs "

```
/* 2016 is number */

var rok = String(2016);

var dalsiRok = new String(2017);

/* rok is string ('2016'), dalsi rok is object */
```

WAT

www.destroyallsoftware.com/talks/wat

Data Types - undefined

```
default variable value
default property value
typeof returns 'undefined'
void 42
{}.u
undefined == null
function args
```

Data Types - null

```
empty value
undefined == null
semantic diff
object
GC
```

// end