
JavaScript 101

What is JavaScript

Programming Language

Makes things happen

Tools

Text editor (not Word!!)

Browser

Linters

- JS Lint
- JS Hint

Basic Syntax

each statement ends in “;”

variable names should be camelCase

Variables

holds information

- numbers
- strings
- boolean
- arrays

```
var myName;
```

```
var myAge;
```

```
var isLightOn = true;
```

Operators

Assignment

```
var myName = "Sally Doe";
```

Expressions

```
(10 + 3)*2;  
myAge = thisYear - yearBorn;
```

String

```
txt3 = txt1 + " and " + txt2;
```

Comparison operators

== equal to

!= not equal to

> greater than

< less than

>= greater or equal to

Function Syntax

can have parameters

```
function funcName(param1, param2) {  
    code to be executed  
}
```

JS functions

JavaScript comes with functions (methods)

- `alert()`
 - `prompt()`
 - `document.getElementById()`
 - DOM method just for browsers
 - many, many more!!
-

Objects

contain many properties

can contain methods

names start with a capital letter

JavaScript comes with objects

Loops

i, j, k are common iterators

for, while, do

```
for (var i = 0; i < someNum; i++) {  
    code to be executed  
}
```

this

this is the current object

if no current object, then window (in browser)

arrays

[foo, bar, lorem, upsum]

foo is [0]

- not 1!

Arrays have a length property

```
var siblings = ["Joe", "Sal", "Sue"];  
siblings[1]; /* Sal */  
siblings.length /* 3 */
```

jQuery

JavaScript library for browsers

makes things easier

know JavaScript first!!
