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# JavaScript 101

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# What is JavaScript

Programming Language

Makes things happen

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# Tools

Text editor (not Word!!)

Browser

Linters

- JS Lint
- JS Hint



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# Basic Syntax

each statement ends in “;”

variable names should be camelCase

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# Variables

holds information

- numbers
- strings
- boolean
- arrays

```
var myName;
```

```
var myAge;
```

```
var isLightOn = true;
```

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# Operators

## Assignment

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

## Expressions

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

## String

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

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# Comparison operators

== equal to

!= not equal to

> greater than

< less than

>= greater or equal to

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# Function Syntax

can have parameters

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



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# JS functions

JavaScript comes with functions (methods)

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

contain many properties

can contain methods

names start with a capital letter

JavaScript comes with objects

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