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Andrew Miracle

# INTRODUCTION TO JAVASCRIPT



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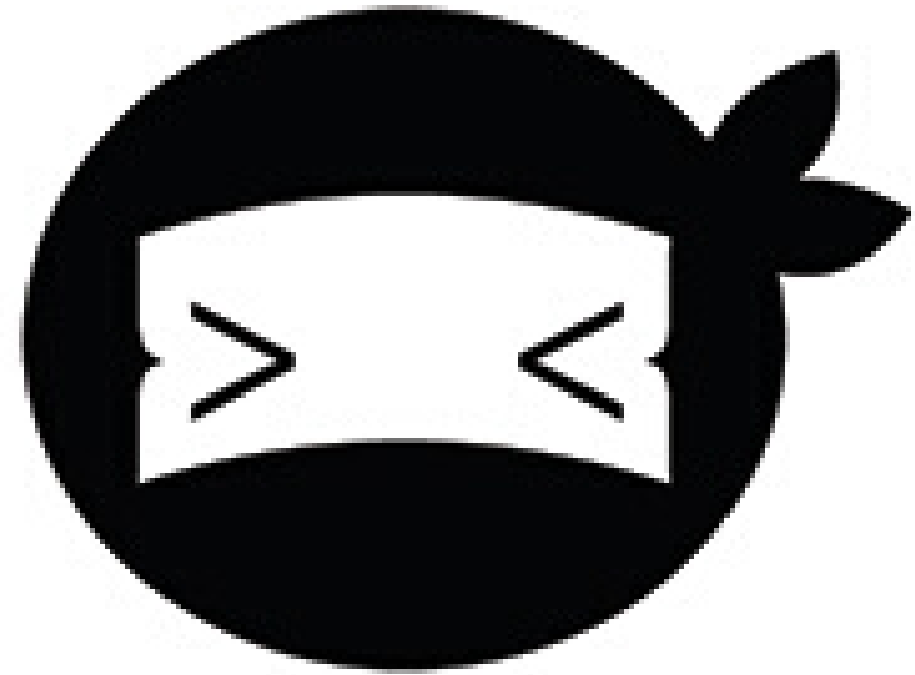
## I AM ANDREW MIRACLE

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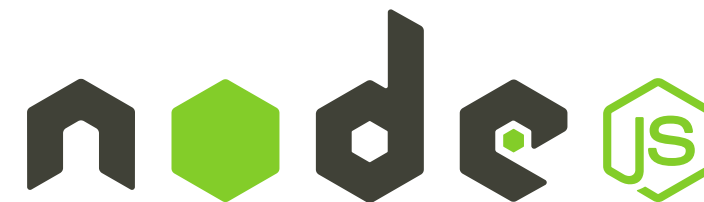
Javascript 101



**CODE NINJA**

# THE GOAL OF THIS WORKSHOP

You would have begun from a beginner javascript coder, to a developer who can write a functional web application in javascript & NodeJS. We may include some aspect of Frontend as this program should be fullstack.



# Read this

```
let a = 10;  
let b = a;  
a = 0;
```

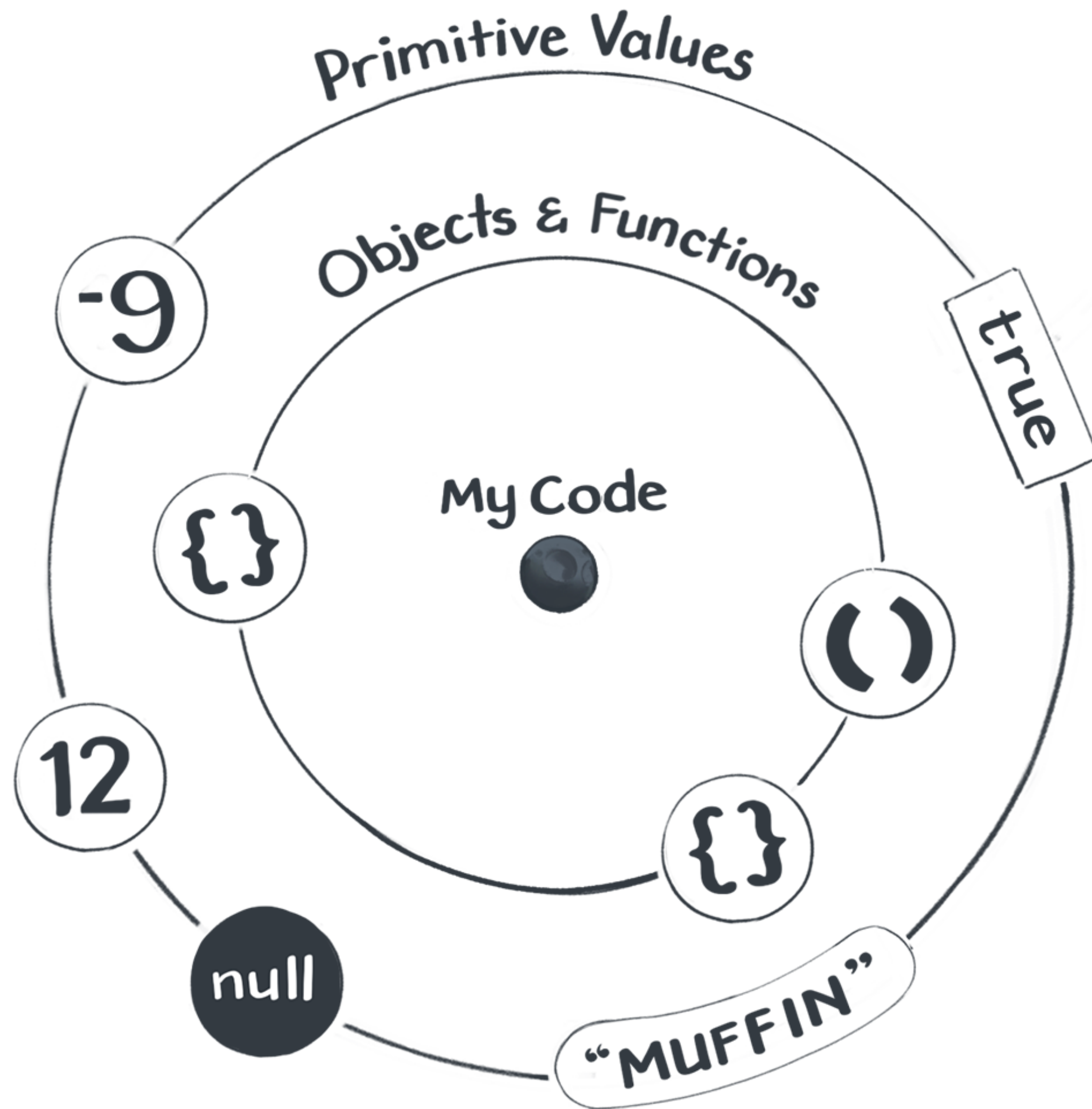
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# The Mental Model

What are the values of a and b after it runs?  
Work it out in your head before reading further.

The goal of this exercise is to help you reflect on your mental model.  
Writing code is all a mental model, why ?





Javascript 101

# Values

Primitive Values

Objects and Functions



# Primitive Values

Undefined (undefined), used for unintentionally missing values.

Null (null), used for intentionally missing values.

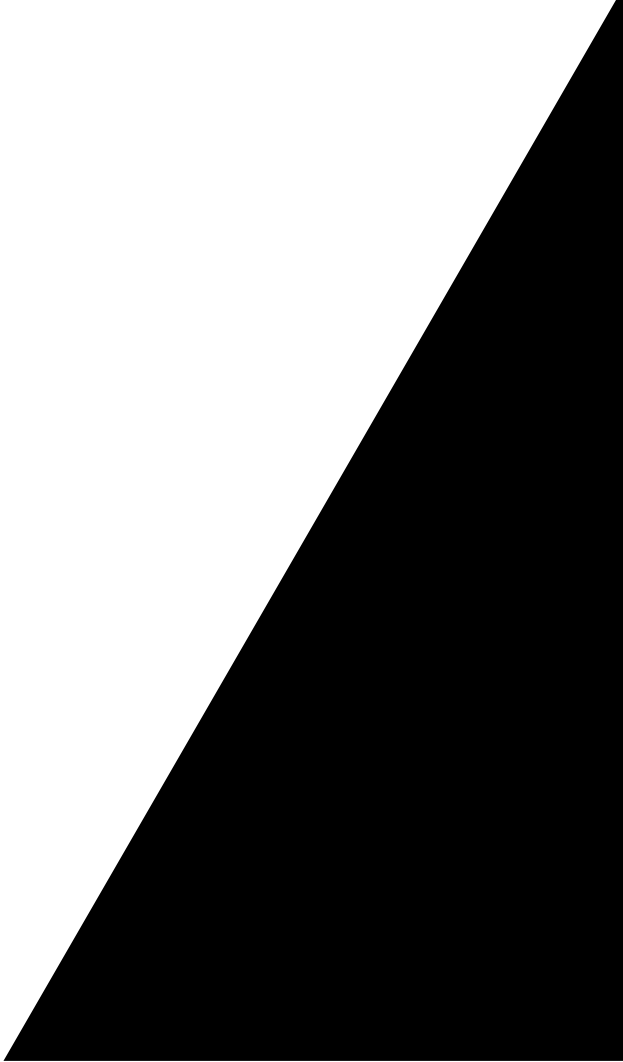
Booleans (true and false), used for logical operations.

Numbers (-100, 3.14, and others), used for math calculations.

Strings ("hello", "abracadabra", and others), used for text.

Symbols (uncommon), used to hide implementation details.

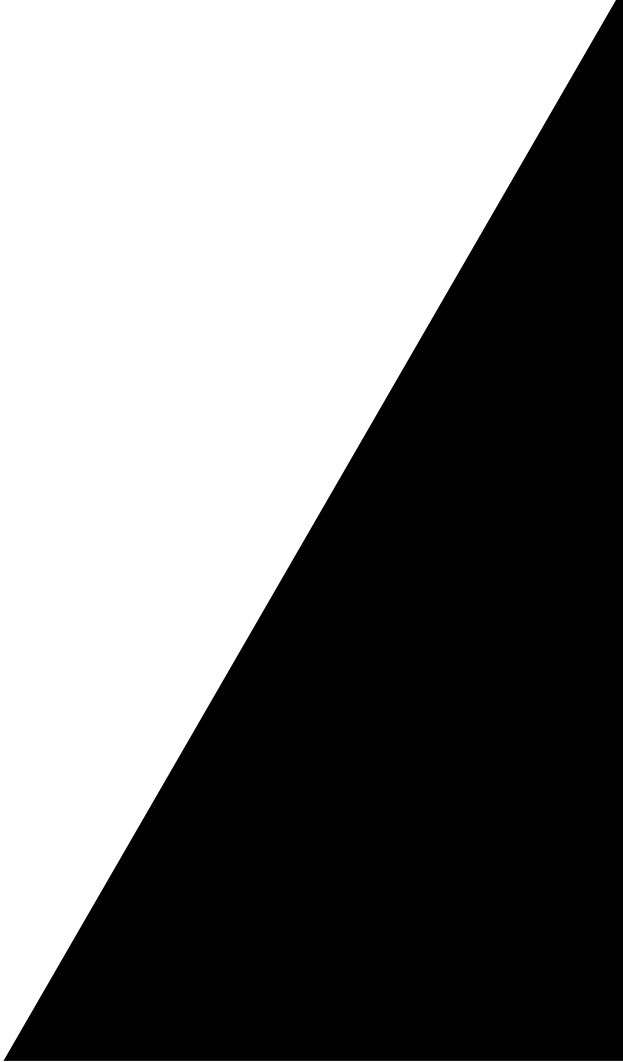
BigInts (uncommon and new), used for math on big numbers.



# Objects

Objects (`{}` and others), used to group related data and code.

Functions (`x => x * 2` and others), used to refer to code.



# Expressions

There are some questions that JavaScript would be delighted to answer. These questions have a special name — they are called expressions.

If we “ask” the expression `2 + 2`, JavaScript will “answer” with the value 4.

```
console.log(2 + 2); // 4
```

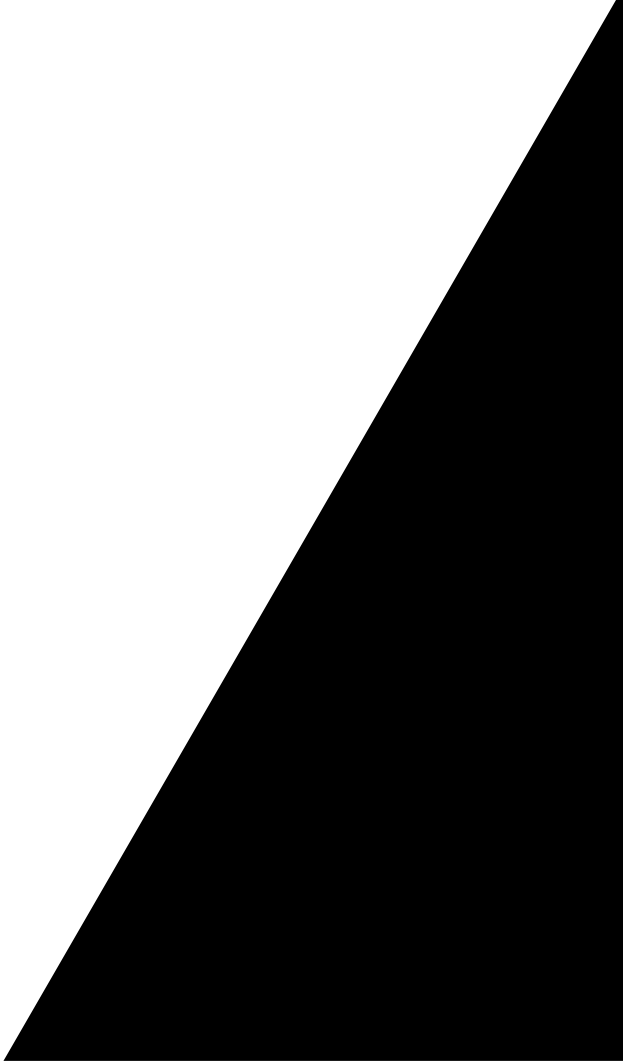
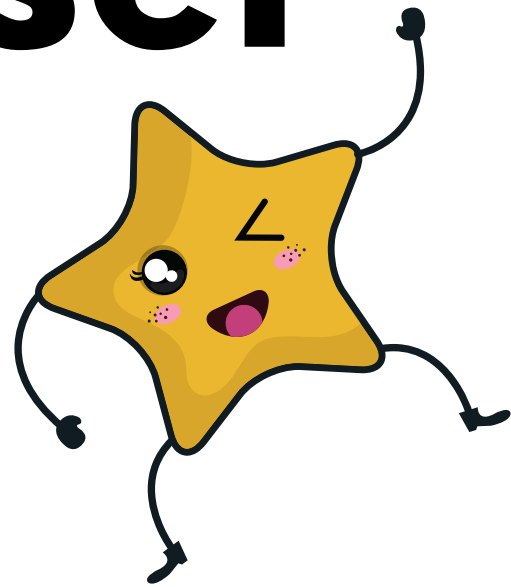
JavaScript answers expressions in the only way it knows how — with values.

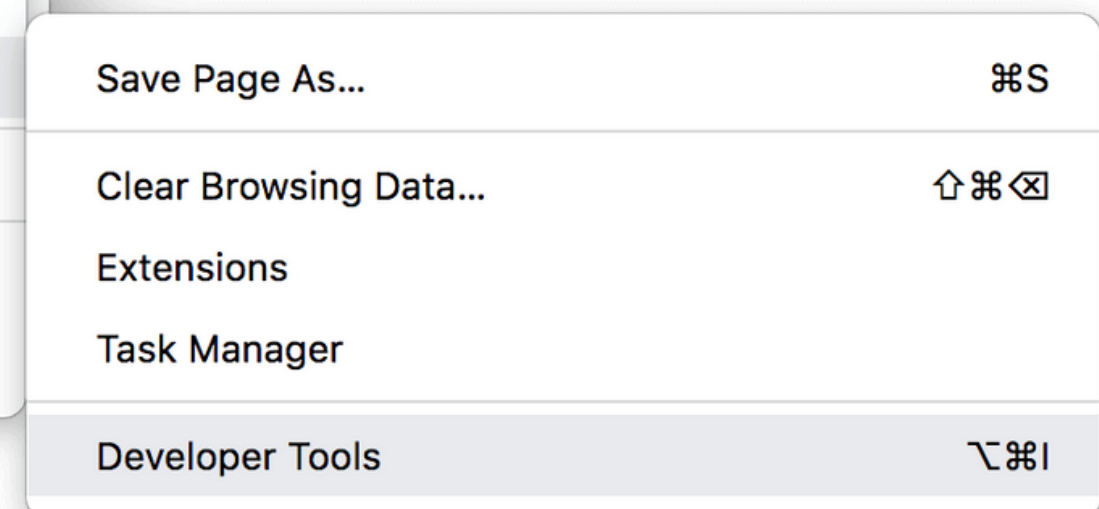
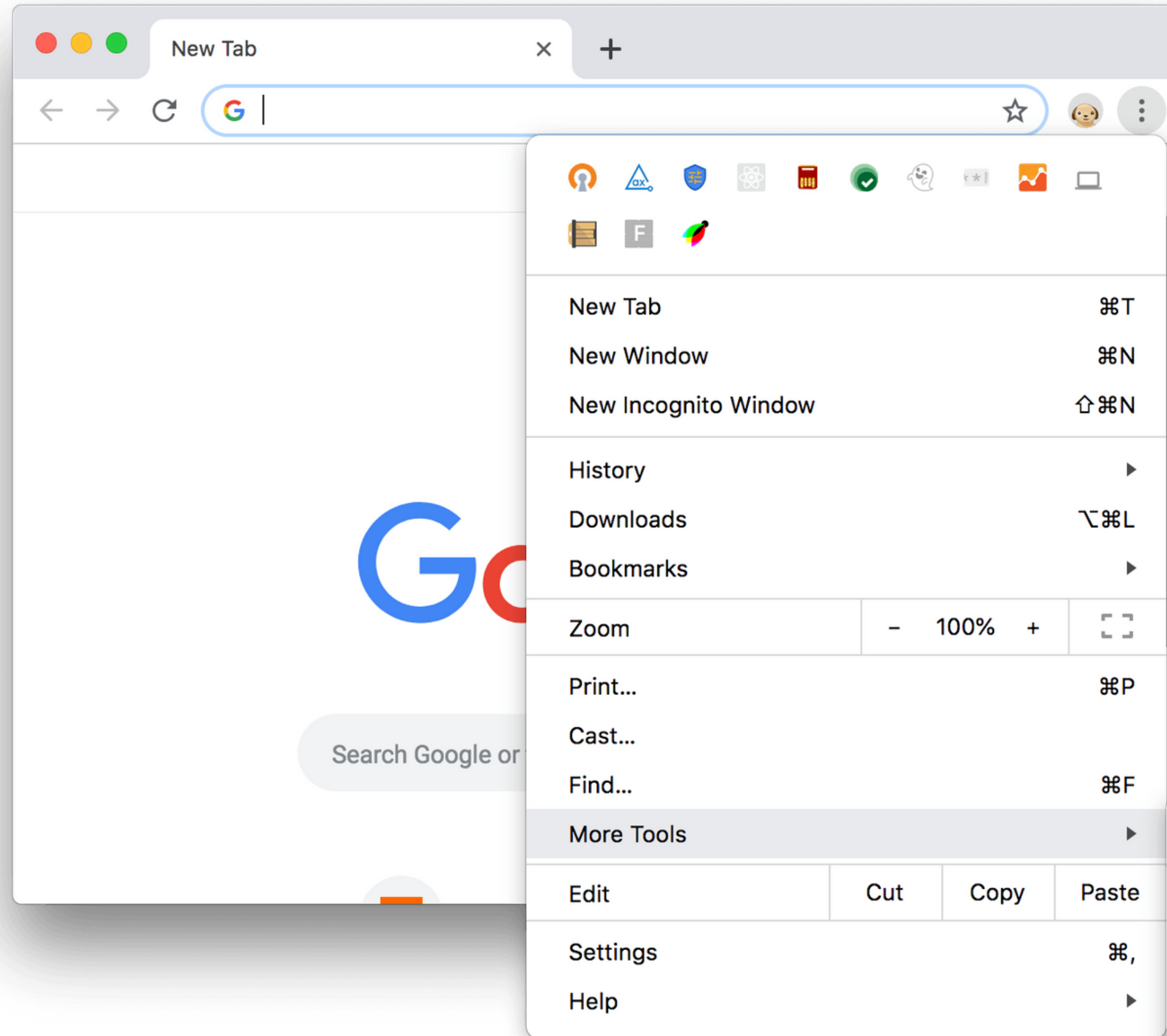
**Expressions always result in a single value.**

Javascript 101

# Javascript on the Browser

Let's have some fun



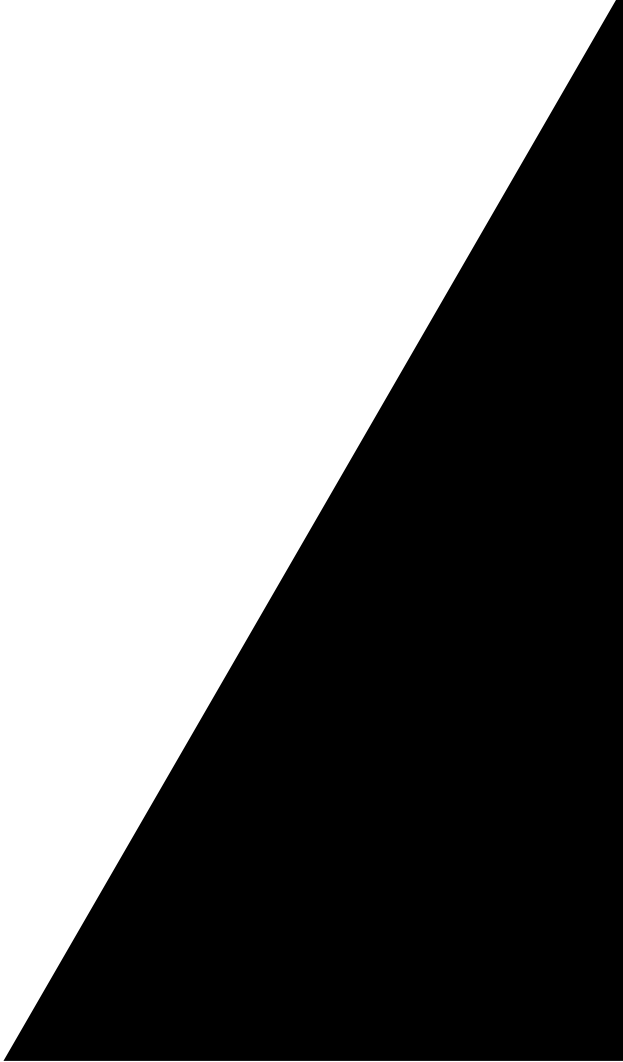


```
alert("Hello IOT")
```



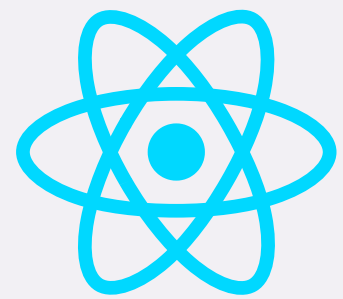
# What you will learn

During this workshop over the months,  
We will take up a number of libraries, design patterns and  
core language features in the Javascript/ECMAScript Ecosystem



# Frontend

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React



ANGULAR



**API**

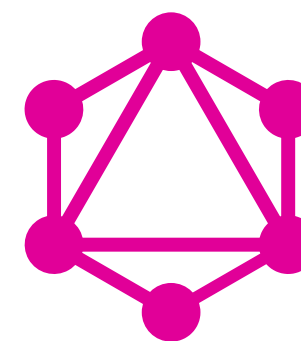
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APOLLO



GraphQL

**LOOPBACK**

EXPRESS

SAILS

# LET'S TALK!

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