# Lets Code: Strings, Numbers and Comparisons

Adding to the toolbelt

#### Variables!



## Strings

Strings are simply a sequence of characters, including spaces, number and symbols

Think words and sentences

When you see quotes....THINK STRING!

'This is a string in Python'

"This is also a string in Python"



## **Displaying Output**



#### **JUST PRINT IT!**

In order to send information to stdout, in javascript we log it!

console.log("string")



## String + String

#### **String Concatenation**

The operation of joining strings together end-to-end



#### How do we concatenate?

Just Add Them Together!

"String1" +"String2" = "String1String2



## What about variables inside of strings

first\_name = "Aaron"

last\_name = "Brooks

"Hello my name is first\_name last\_name"



#### String interpolation

is a process substituting values of variables into placeholders in a string.



## **Template Literals**

let name = "Aaron"

console.log("My name is " + name)



## **String Methods**

Built in functions to help you get stuff done.

https://www.w3schools.com/js/js\_string\_methods.asp





## Checking the length of a string

We can check how many characters make up a string using the length property.

Let ourString = "Hello World"

Let stringLength = ourString.length

console.log(stringLength)

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#### **Math Operators**

Addition +

Subtraction -

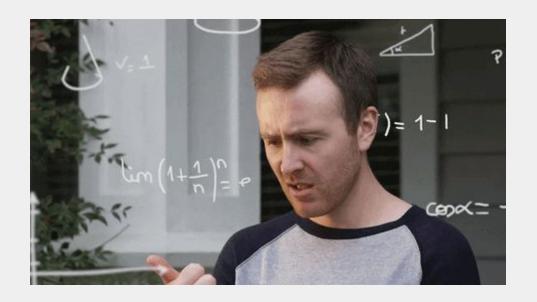
Multiplication \*

Division /

Modulus %

Increment ++

Decrement --





## #Logic



## **Let's Compare - Comparison Operators**

•	==	Equality	5 == 5	True	5 == 6	False
•	!=	Inequality	5 != 5	False	5 != 6	True
•	>	Greater Than	5 > 4	True	5 > 6	False
•	<	Less Than	5 < 4	False	5 < 6	True
•	>=	Greater than/Equal	5 >= 5	True	5 >= 4	True
•	<=	Less than/Equal	5 <= 5	True	5 <= 6	True

#### This....That....or the other

IF something is true

ELSE IF is true

**ELSE** 



