Operator or Item	Basic Definition	Application Examples / References / Notes
	The "Modulus" operator (Remainder). Returns the division remainder. E.g.s - 10%2=0; 10%3=1. For detecting positive and negtive numbers; For????????	
"%"	-	
*= **	e.g. $x = y$ means $x = x + y$ - Multiply the two	https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Multiplication_assignment
"="	Exponentiation ??????? sets the value of a variable to a number	
- "=="		
== "==="	when "testing" a value; "is equal to" true if both operands of same type and same value; false if not	https://www.w3schools.com/js/js_comparisons.asp
 "+="	addition of two values	
	Subtraction - e.g. x -= y returns x-y	https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Subtraction assignment
"++"	iterates by one	
	Called a "bang", a logical "not" operator. Returns the reverse	
"İn	value - !true; // returns false	
"!="	Not equal to	
abs	absolute value of number returned	
array	What is it and when to use it?????	
break	Statement jumps out of loop (see "Continue")	
Calculators !!!	Graphs, Charts, Math etc.	https://www.desmos.com/calculator/hcamzyeujj
CamelCase	See "snake_case"	
channel	???????????????????????????????????????	
clamp	clamp(value, lo, hi)	Clamp the number within the inclusive range specified by boundary values lo and hi
colorPicker	???????????????????????????????????????	
continue	Statement jumps over one iteration in the loop	
delta	elapsed time in ms	beforeRender(delta) - NOT A VARIABLE
export var	put before any functions or variables	
flake	???????????????????????????????????????	
floor	rounds down to the nearest integer	
for		
	hue 0 = red ; 0.02=Orange; 0.1=Yellow; 0.33=Green; 0.45=Mint;	
h	0.5=Cyan; 0.66=Blue; 0.9=Violet	hue of hue saturation value; hsv = color
hsv	hue, saturation, value	
index	the position number of a given pixel	
"index / pixelCount"	returns 01 across all LEDs	
LOGICAL OPERATORS and		
COMPARISONS	"==; ===;	https://www.w3schools.com/js/js_comparisons.asp
Lookup Table		https://coderwall.com/p/6e7rea/consider-lookup-tables-instead-of-switch-or-if-else
(Max-Min)*v+Min	Gives a range from min to max	
max	max(v1, v2) ???????????????????	
min	min(v1, v2) ???????????????????????????????????	
mode	777777777777777777777777777777	
next	returns an object with two properties done and value	????????
operator precedence	multiply and divide before add and subtract, etc.	https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Expressions and Operators#operator precedence

pow random	(base, exponent) e.g. v=pow(2,index) returns v= 2 to the index power random(max) returns a random number btw 0.0 and max, not including max	THIS IS NOT AN INTEGER VALUE !!!
	Will run once for every pixel; the pixel's index(position in line) will	
render(index)	be passed as "index". First LED is index=0; second is index 1, etc. An exported function, takes the single argument "index" called	
<mark>render</mark> rgb slider	once per pixel, per frame	
snake_case	See "CamelCase A sawtooth waveform btw 0-1. loops every 65.536 sec.>> time(0.015) = 1 second; time(.1) = 6.535 seconds; time(1)= 65.536	
time(interval) wave xor	seconds; Time to go through whole pixelCount sinusouidal waveform. Loops per sawtooth/time waveform Exclusive "or" - one value but not the other(s)	can be called independently.