Topic/Title: Random Number Generation in JavaScript: Building a Love Calculator Control Statements: Using If-Else Conditionals & Logic Comparators and Equality Combining Comparators



Keywords/Questions:	Notes:
Math.random();	Math.random(); :- generates a random number between 0 - 0.999999999999999999999999999999999
	are 16 digits. It might be 0 but it will never reach 1.
=== <=	=== :- used for testing for equality in JavaScript.
>=	- known as the "Is equal to" sign. === Is equal to
·	- if (hale===5){console.log(5);} :-This means if hale is equal to 5, print 5.
> <	!== :- used for testing for inequality in JavaScript.
	-known as the "Is not equal to" sign.
==	-usually used and executed if the left side is not equal to the right
	=== Is equal to
	!== Is not equal to
!=	> Is greater than
	< Is lesser than
&& !	>= Is greater or equal to
	<= Is lesser or equal to
	The difference between == and ===. A === equal sign checks if the data types are matching
	whereas a == sign doesn't.
	> typeof(a); no applies for the !=
	<pre></pre>
Summary:	7,00
Math.random()	; :-generates a random number from 0 to 0.99999999999999. Sixteen 9s.
Conditionals:- it	$f(x>5){}$ -else if(x>3 && x<=5){} -else{}
===:- equal to	!==:- not equal to >:-greater than <:-less than >=:-greater or equal to <=:-lesser or equa
== & != :-don't	check if they have same data types === & !== :- check if they have same data types
&& :- "AND" co	mbiner
:- "OR" combi	ner
!:- "NOT" comb	niner

```
-Best way to write if else statements

if (track === "clear"){
    goStraight();
} else {
    turnRight();
}

&&:-the "AND" combiner.
if (loveScore > 30 && loveScore <= 70) {
    alert("Your love score is " + loveScore + "%");
}

-we only use one bracket inside the if clause
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