Cheatography

Roblox Lua Cheat Sheet by NameLater2 via cheatography.com/209689/cs/45131/

Math Operations		
x + y	Adds x and y	
х - у	Subtracts y from x	
х*у	Multiplys the x by y	
x / y	Divides x by y	
х % у	Remainder of x divided by y	

Math Functions

math.rand- om(x,y)	Returns a random number between x and y
math.f- loor(x)	Rounds down x
math.c- eil(x)	Rounds up x
math.a- bs(x)	Returns the absolute value of x
math.s- qrt(x)	Returns the square of x
math.pi	Returns pi

Basic Refrences		
.game	Parent of all running game services	
.workspace	Refrences Workspace, circumvents game.Work- space	
.script	Refrences the script itself	
.parent	Refrences the parent of an object	

For Loops
for i = start, end, count do
Code
end
for $i = 1$, 5 do
pri nt(" Ite rat -
ion :", i)
end
local fruits = {"Ap ple ", " -
Ban ana ", " Che rry "}



By NameLater2

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For Loops (cont)

```
> for index, value in ipairs(fruits) do
   print(index, value)
end
```

While Loops while condition do -- Code end local counter = 1while counter <= 5 do pri nt(" Cou nt: ", counter) counter = counter + 1 --Increment the counter to avoid an infinite loop end

Wait routines wait() Pauses the execution of the script for a set duration. Tied to game framerate task.w-Pauses the execution of the ait() script for a set duration. More acurated, Independent of framerate. Runs a function after a specified task.delay() delay but does not block the current script. RunSer Creates a custom wait loop. High precision, frame-dependent vice.Htasks. eartbeat Debris: Used for timed object destruction Adbut can act as a timer dltem() mechanism.

Basic Threading task.s-Runs a function in a new pawn() thread after yielding briefly (~1/30th of a second) task.d-Schedules a function to run in efer() a new thread without vielding at all. It is executed after the current thread completes. Creates a new coroutine that is coroutpaused until explicitly ine.create() resumed. corout-Resumes a paused coroutine. ine.resume() Pauses the current coroutine coroutuntil it is resumed again. ine.yield() corout-Returns the status of a ine.stcoroutine ("suspended", "runatus() ning", or "dead"). corout-Creates a coroutine and ine.wrap() returns a function that, when called, resumes the coroutine.

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