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	
x * y	Multiplys the x by y	
x / y	Divides x by y	
x % y	Remainder of x divided by y	
Moth Eurotiona		

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
```


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

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

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