



FSUIPC: Lua Tutorial For Microsoft



Flight Simulator and GoFlight Equipment

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There are a few more terms to define...

Routine: A routine is a sequence of computer instructions for performing a task.

Sub-routine: A routine within a routine.

Chunks: Wrapped routines. Has a starting and ending point. A function is a chunk. (See below)

Command: An order to a computer to execute a series of instructions.

Keyword: Keywords are reserved to the programming language. The following words are keywords for Lua...

**and break do else elseif end false
for function if in local nil not or
repeat return then true until while**

Parameters: Value requirements of a routine

Functions: A function is a chunk or groups of chunks. It's a named procedure that is specifically executed. and is closed with and "end" statement.

Library: Many commands grouped together to serve a common purpose. The Lua language has several libraries, these are just a few...
ipc, logic, com, event, sound, gfd

Loops: A series of chunks performed repeatedly.

Introducing new commands gets tricky if the user isn't a programmer. When a new command is introduced, I will try to show the different pieces. For example, let's pretend there's a command called "JohnDoe". There will be certain formats to indicate certain uses...

JohnDoe()

The font itself will be an indicator. If you don't have the font "Consolas" installed, I suggest getting it [HERE](#). The reason I like the "Consolas" font is it easily distinguishes between the letter "O" and the number zero "0".

Another format you will see is *italics*. This will tell you that the italicized word is a parameter and may not be used exactly as shown since variables can be names different things.

JohnDoe(*name*, *age*)

Another format you will see are [and]. These will surround optional items. In the next example, The *name* parameter is required, but not the *age* parameter.

JohnDoe(*name*[, *age*])

Sometimes I will also use color to explain various parts of a command...

JohnDoe(*name*[, *age*])

This is the first name and **this is the last name**.

RESOURCES

[FSUIPC Support Forum](#)

[GoFlight Inc.](#)
[GoFlight Support Forum](#)

[Lua Website](#)
[Lua Reference Manual](#)
[Lua for Beginners](#)
[LuaEdit](#)

[Notepad++](#)
[Online Documentation](#)
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[Tutorial Files](#)

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Next Chapter

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