Legenda	Comment
New in Moon#	Function has been introduced in Moon# and is not present in Lua 5.2
Done	Implemented completely
Done, with differences	Implemented, but has serious differences from the Lua version (detailed in comments).
Not done, issues	Not completed yet.
Unsupported	Unsupported and likely support will be limited or non-existent also in the future
Not done yet	Not even started.

API	Yield	Comment
_G	-	
_VERSION	-	
_MOONSHARP	-	Reports the Moon# version, plus tells the script that it's running on Moon#
assert	-	
collectgarbage	-	Implemented as useless stub
dofile	YES	
error	-	
getmetatable	-	
ipairs	YES	
load	**NO**	Binary not supported as input. A function as input cannot yield.
loadfile	-	No binary files. stdin as input is not supported. Inner workings are a little different to adapt to Moon# architecture.
next	-	
pairs	YES	
pcall	YES	
print	**NO**	__tostring handlers cannot yield when called from print
rawequal	-	
rawget	-	
rawlen	-	
rawset	-	
require	YES	Inner workings are a little different to adapt to Moon# architecture.
select	-	
setmetatable	-	

tonumber	-	Only 2,8,10 and 16 are supported as base value.
tostring	YES	
type	-	
xpcall	-	Currently implemented as a pcall
bit32.arshift		
bit32.band		
bit32.bnot		
bit32.bor		
bit32.btest		
bit32.bxor		
bit32.extract		
bit32.lrotate		
bit32.lshift		
bit32.replace		
bit32.rrotate		
bit32.rshift		
coroutine.create		
coroutine.resume		
coroutine.running		
coroutine.status		
coroutine.wrap		
coroutine.yield		
debug.debug		Function is heavily dependent on implementation details.
debug.getuservalue		Function is heavily dependent on implementation details.
debug.gethook		Function is heavily dependent on implementation details.
debug.getinfo		Function is heavily dependent on implementation details.
debug.getlocal		Function is heavily dependent on implementation details.
debug.getmetatable		Function is heavily dependent on implementation details.
debug.getregistry		Function is heavily dependent on implementation details.
debug.getupvalue		Function is heavily dependent on implementation details.

debug.setuservalue		Function is heavily dependent on implementation details.
debug.sethook		Function is heavily dependent on implementation details.
debug.setlocal		Function is heavily dependent on implementation details.
debug.setmetatable		Function is heavily dependent on implementation details.
debug.setupvalue		Function is heavily dependent on implementation details.
debug.traceback		Function is heavily dependent on implementation details.
debug.upvalueid		Function is heavily dependent on implementation details.
debug.upvaluejoin		Function is heavily dependent on implementation details.
file:close		This can be implemented by hosting app if need be.
file:flush		This can be implemented by hosting app if need be.
file:lines		This can be implemented by hosting app if need be.
file:read		This can be implemented by hosting app if need be.
file:seek		This can be implemented by hosting app if need be.
file:setvbuf		This can be implemented by hosting app if need be.
file:write		This can be implemented by hosting app if need be.
io.close		This can be implemented by hosting app if need be.
io.flush		This can be implemented by hosting app if need be.
io.input		This can be implemented by hosting app if need be.
io.lines		This can be implemented by hosting app if need be.
io.open		This can be implemented by hosting app if need be.
io.output		This can be implemented by hosting app if need be.
io.popen		This can be implemented by hosting app if need be.
io.read		This can be implemented by hosting app if need be.
io.stderr		This can be implemented by hosting app if need be.
io.stdin		This can be implemented by hosting app if need be.
io.stdout		This can be implemented by hosting app if need be.
io.tmpfile		This can be implemented by hosting app if need be.
io.type		This can be implemented by hosting app if need be.
io.write		This can be implemented by hosting app if need be.
math.abs	-	

math.acos	-	
math.asin	-	
math.atan	-	
math.atan2	-	
math.ceil	-	
math.cos	-	
math.cosh	-	
math.deg	-	
math.exp	-	
math.floor	-	
math.fmod	-	
math.frexp	-	http://stackoverflow.com/questions/389993/extracting-mantissa-and-exponent-from-double-in-c-sharp
math.huge	-	
math.ldexp	-	
math.log	-	
math.max	-	
math.min	-	
math.modf	-	
math.pi	-	
math.pow	-	
math.rad	-	
math.random	-	Minor differences in accepted inputs (Moon# is more tolerant)
math.randomseed	-	
math.sin	-	
math.sinh	-	
math.sqrt	-	
math.tan	-	
math.tanh	-	
os.clock		This can be implemented by hosting app if need be.
os.date		This can be implemented by hosting app if need be.
os.difftime		This can be implemented by hosting app if need be.

os.execute		This can be implemented by hosting app if need be.
os.exit		This can be implemented by hosting app if need be.
os.getenv		This can be implemented by hosting app if need be.
os.remove		This can be implemented by hosting app if need be.
os.rename		This can be implemented by hosting app if need be.
os.setlocale		This can be implemented by hosting app if need be.
os.time		This can be implemented by hosting app if need be.
os.tmpname		This can be implemented by hosting app if need be.
package.config		
package.cpath		
package.loaded		
package.loadlib		
package.path		
package.preload		
package.searchers		
package.searchpath		
string.byte	-	Character codes are cropped to 0-255. Use string.unicode to have the unicode code-point.
string.char		
string.dump		
string.find		Implementation taken from UniLua
string.format		
string.gmatch		Implementation taken from UniLua
string.gsub	**NO**	function replacement is not supported yet. strings, patterns & tables are ok. Implementation taken from UniLua.
string.len	-	
string.lower		
string.match		Implementation taken from UniLua
string.rep		
string.reverse		
string.sub		
string.unicode	-	Works just as "string.byte" would do, but returns the unicode code-point without truncation.
string.upper		

table.concat	**NO**	__len cannot yield
table.insert	**NO**	__len cannot yield
table.pack		
table.remove	**NO**	__len cannot yield
table.sort	**NO**	__lt, __len and the comparison function cannot yield
table.unpack		