



Command Syntax For Data Retrieval

It seems a lot of people are getting a little confused over the script commands for receiving data and have noticed the syntax is incorrect. So it's tutorial time again :) Basically, the common mistake is to assume the command for receiving ADC, HTTP etc. data is like; `HTTPGet("http://192.168.0.100/temp.cgi")` However that will return an invalid syntax. If you think about it, that is no different to having a line of code which is; `23` The returned data in the HTTPGet example could be 23, so what...

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Step 1

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Basically, the common mistake is to assume the command for receiving ADC, HTTP etc. data is like;

Code:

```
HTTPGet("http://192.168.0.100/temp.cgi")
```

However that will return an invalid syntax.

If you think about it, that is no different to having a line of code which is;

Code:

```
23
```

The returned data in the HTTPGet example could be 23, so what use is 23 on it's own? You have to remember that all get/fetch commands should be looked at as though they are data and not commands. The data alone will be of no use if not used as part of a process or stored as a variable for later use.

The correct syntax would be;

Code:

```
$temp = HTTPGet("http://192.168.0.100/temp.cgi")
```

or as part of a function

Code:

```
IF(HTTPGet("http://192.168.0.100/temp.cgi") > 23)
    SayWait("Man, it's hot in here!")
ElseIf(HTTPGet("http://192.168.0.100/temp.cgi") < 18)
    SayWait("Brrrrr, it's cold in here!")
Else
    SayWait("It''s perfect in here")
EndIf
```

The same applies to all commands that will fetch data from somewhere including;

GetPWM
GetServo
GetServoSpeed
GetSpeed
GetSpeedLeft
GetSpeedRight
GetCPUTemp
GetVoltage
GetADC
GetRandom
GetRandomUnique
GetDigital
GetPing
HTTPGet
GetChatAt
GetByteAt
GetByte
GetAsByte
GetBit
GetVolume
I2CRead
UARTRead
FileReadEnd
FileReadChar
FileReadLine
FileReadAll
FileReadLineRandom

And possibly more, I think I listed them all but with EZ-Builder updates so often it probably wont stay that way.

If you get a syntax error read the help on the right of the script dialogue, there are always examples

Update: That said, HTTPGet() will work without assigning variables etc. since it can be used to operate devices and websites etc. such as [NotifyMyAndroid](#). However if used to return data it must be assigned to a variable or used as part of an operation/process.