

QGIS Application - Bug report #14083

Adding up (+) variables in expression builder results in concatenation

2016-01-11 04:35 AM - Rombert Stapel

Status: Closed	
Priority: Normal	
Assignee:	
Category: Expressions	
Affected QGIS version: 2.12.1	Regression?: No
Operating System: OS X El Capitan	Easy fix?: No
Pull Request or Patch supplied:	Resolution: invalid
Crashes QGIS or corrupts data:	Copied to github as #: 22093

Description

If I add up two variables using the expression builder, the two values are concatenated, instead of added up. So if A = 2091 and B = 0, I get the result of A+B = "20910" (as if I used the || operator). The other operators (-, /, *) seem to work as they should. If I add up two integers, there is no problem.

I have the latest QGIS on the Mac. Version 2.12.2 is not yet available on the Mac, so I am not sure if the bug is still present there.

History

#1 - 2016-01-12 11:18 AM - Giovanni Manghi

- Status changed from Open to Feedback
- Target version deleted (Future Release - High Priority)
- Priority changed from High to Normal

your fields are text, not integers or decimals, I would say that the results is the expected one.

#2 - 2016-01-26 08:13 PM - Nyal Dawson

- Status changed from Feedback to Closed
- Resolution set to invalid

Variables are always string values. You can convert them to a number using the expression functions to_real or to_int, eg 'to_real(@var1) + to_real(@var2)'

#3 - 2016-01-27 01:18 AM - Rombert Stapel

- Status changed from Closed to Reopened

That would not explain why I can multiply, subtract and divide the same numbers without any problem. The variables in question are designated as integers, not string values. In my view this is still a bug.

#4 - 2016-01-27 01:26 AM - Nathan Woodrow

What are the types of the columns?

#5 - 2016-01-27 01:38 AM - Nyal Dawson

- Status changed from Reopened to Closed

Wrapping the variables in to_int/to_real is the correct solution. Multiply/etc have special handling to basically have to_real forced, but that's not possible with + because it's also reused for string concatenation. Otherwise the expression '5' + '2' would incorrectly return 7 instead of 52.

Files

Schermafbeelding_2016-01-11_om_13.29.24.png	53.1 KB	2016-01-11	Rombert Stapel
Schermafbeelding_2016-01-11_om_13.28.46.png	53.6 KB	2016-01-11	Rombert Stapel