
Subject: Re: help, IDL eats my variables

Posted by [Michael Galloy](#) on Tue, 04 Oct 2011 17:31:28 GMT

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On 10/4/11 11:08 AM, desertdryad wrote:

- > Question - I would like to run several instances of a function and
- > save the output to several independent variables, in one IDL session.
- > It seems, periodically, IDL 'eats' my saved variables and I have to
- > start over! (sigh) This seems to correlate with running something
- > that throws an error; IDL appears to 'retall' and wipe everything out
- > - is this correct? Is there any way to avoid this behavior?
- > (besides, well, not having a function throw an error...)

I could be misunderstanding your situation, but I believe what is happening is that when IDL throws an error, it brings the scope to the level where the error occurred. For example, if you call a program from the command line, i.e., starting at the main-level and the program crashes, your command line will now be at the level of your program -- you will be able to access local variables in your program from the command line. At that level, your variables don't exist (they're still at the calling level though!). In this case, RETALL will save you, bringing you back to the main-level where your variables are.

Mike

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Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Tech-X Corporation
