Subject: Re: Delete COMMON
Posted by mperrin+news on Mon, 27 Oct 2003 16:32:36 GMT

trouble <the_cacc@hotmail.com> wrote:
> I've been running a program with a COMMON block. To delete is, it
> seems that .reset is the only option. However, I *always* seem to
> forget to do it so it's only after 1/2 hour of processing, when the
> results are clearly wrong, that I remember and have to start over.
>
> Is there any way to put a .reset in the code, so it always run fresh?

Why do you need to delete the common block? Would deleting all the variables
in it be sufficient? See, e.g. delvarx.pro:
   http://astro.uni-tuebingen.de/software/idl/astrolib/misc/del varx.pro

 - Marshall

Subject: Re: Delete COMMON
Posted by David Fanning on Mon, 27 Oct 2003 16:36:11 GMT

trouble writes:

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> seems that .reset is the only option. However, I *always* seem to
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> results are clearly wrong, that I remember and have to start over.
>
> Is there any way to put a .reset in the code, so it always run fresh?

No. Executive commands ("dot commands") can only be
run from the IDL command line. :-(

Cheers,

David

P.S. Let's just say Common blocks, like taxes, are
something we have to be responsible for ourselves in
the eyes of the law.

--
David W. Fanning, Ph.D.
Fanning Software Consulting, Inc.
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Delete COMMON
Posted by Pavel Romashkin on Mon, 27 Oct 2003 17:08:42 GMT
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I am not so sure I regret not being able to run .reset_all or format c:
/y from inside my code. Might throw users off the track :-)
Cheers,
Pavel

David Fanning wrote:
>
> trouble writes:
>
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>> seems that .reset is the only option. However, I *always* seem to
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> --
> David W. Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Phone: 970-221-0438, E-mail: david@dfanning.com
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Delete COMMON
Posted by the_cacc on Mon, 27 Oct 2003 23:30:57 GMT
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mperrin+news@cymric.berkeley.edu (Marshall Perrin) wrote in message

news:<bnjhb4$24t7$1@agate.berkeley.edu>...
>
> Why do you need to delete the common block? Would deleting all the variables
> in it be sufficient? See, e.g. delvarx.pro:
>   http://astro.uni-tuebingen.de/software/idl/astrolib/misc/del varx.pro
>
>   - Marshall

Yes, all I need to do is delete the variables. Problem is, it's only
used deep within a couple of routines, yet I want to destroy it in the
top level calling function.

It's just so unbearably *painful* to put the COMMON from the numerical
code into the GUI code and then delete it! COMMON blocks have feelings
too, you know.

Subject: Re: Delete COMMON
Posted by mperrin+news on Mon, 27 Oct 2003 23:59:35 GMT
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trouble <the_cacc@hotmail.com> wrote:
> mperrin+news@cymric.berkeley.edu (Marshall Perrin) wrote in message
news:<bnjhb4$24t7$1@agate.berkeley.edu>...
>>
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>>
>>   - Marshall
>
>
> Yes, all I need to do is delete the variables. Problem is, it's only
> used deep within a couple of routines, yet I want to destroy it in the
> top level calling function.
>
> It's just so unbearably *painful* to put the COMMON from the numerical
> code into the GUI code and then delete it! COMMON blocks have feelings
> too, you know.

I agree that needlessly proliferating common blocks is no good. I see
two ways out of this situation: One, rewrite the code to not use common
blocks. This may be more of a hassle than it's worth; the way I do this is
to stick all the state into some struct, which then gets passed around
as needed. The problem is that if you expect variable-sized data, you
have to convert everything over to use pointers to access it.

Alternatively, and almost certainly vastly easier, is to modify the
parts of your code that has this common routine to have an initialize()
or clear() function of some kind, which would itself be called from the
top level GUI. That's probably what I would do in your situation...

 - Marshall

Subject: Re: Delete COMMON
Posted by the_cacc on Tue, 28 Oct 2003 20:43:17 GMT
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mperrin+news@cymric.berkeley.edu (Marshall Perrin) wrote in message
news:<bnkbh7$2enb$1@agate.berkeley.edu>...
>
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> parts of your code that has this common routine to have an initialize()
> or clear() function of some kind, which would itself be called from the
> top level GUI. That's probably what I would do in your situation...
>
> - Marshall

Hey, great suggestion. I've put in a /CLEAN keyword to tell the code to initialise.

Thanks dude.