
Subject: Re: IDL variables

Posted by [David Fanning](#) on Thu, 07 Aug 2003 23:36:23 GMT

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Denis Barkats writes:

> I am new to this newsgroup posting thingy.
> I would like to know if there is a way to get IDL to just print the
> variables in its memory without having to also print all the used
> functions and procedures. I've tried typing : help but that always
> returns a lot of other things.

OK, here is a routine that does this, but it is
totally illegal, bogus, etc., and you didn't get
it from me. :-(

You will need my UNDEFINE program to make it work
elegantly. If you don't need elegance, just delete
that line.

```
.*****  
,  
PRO Help_Var  
  
; Just print out the damn variables!  
  
names = ROUTINE_NAMES(Variables=1)  
  
FOR j=0, N_Elements(names) - 1 DO BEGIN  
  IF N_Elements(ROUTINE_NAMES(names[j], FETCH=1)) GT 0 THEN BEGIN  
    value = ROUTINE_NAMES(names[j], FETCH=1)  
    HELP, value, Output=s  
    UnDefine, value  
    Print, StrUpCase(names[j]) + StrMid(s, 6)  
  ENDIF  
ENDFOR  
  
END  
.*****  
,
```

> The reason is that I would like to be able to delete variables fast.
> For example, get a list of the variables names and delete all the
> ones that start with the letter s.

Yeah, well, if you need to do this, I'd guess the chances
are probably better than even you need some work on
your programming style. :-)

But I leave it as an exercise for the reader to develop

a method that can use regular expressions to search out variables for deletion. I can't think of a way. I'm pretty sure that even this hocus-pocus isn't strong enough magic to do it.

> PS: and Oh, if D. Fanning reads this, I must already thank him
> enormously for all the tips and programs on his web page withouty
> which I would not be finishing my thesis. Thanks

Oogh. This makes all the effort worthwhile! Thanks. :-)

Cheers,

David

--

David W. Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: IDL variables

Posted by [David Fanning](#) on Thu, 07 Aug 2003 23:47:14 GMT

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David Fanning writes:

> OK, here is a routine that does this, but it is
> totally illegal, bogus, etc., and you didn't get
> it from me. :-(

Oh, oh, I can already hear Craig's and JD's fingers
pounding the keys. :-(

Yes, I know ways to make this more useful from
within any program unit and not just from the
main level, too, but remember: YOU DIDN'T GET
IT FROM ME!

Cheers,

David

P.S. You would think after all this time I would know
how to wait 5 damn minutes before publishing some great,
new idea! :-(

--

David W. Fanning, Ph.D.
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Phone: 970-221-0438, E-mail: david@dfanning.com
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Subject: Re: IDL variables
Posted by [rigby](#) on Fri, 08 Aug 2003 13:42:36 GMT
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dbarkats@princeton.edu (Denis Barkats) wrote in message
news:<5b684bf6.0308071453.4cd2ff0f@posting.google.com>...

> Hi,
> I am new to this newsgroup posting thingy.
> I would like to know if there is a way to get IDL to just print the
> variables in its memory without having to also print all the used
> functions and procdures. I 've tried typing : help but that always
> returns a lot of other things.
> The reason is that I would like to be able to delete variables fast.
> For exemple, get a list of the varaibles names and delete all the
> ones that start with the letter s.

These might be what you're looking for:

help, names='s*' (all variables that start with 's')
help, names='*' (all variables)

--Wayne

Subject: Re: IDL variables
Posted by [mvukovic](#) on Fri, 08 Aug 2003 15:44:12 GMT
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David Fanning <david@dfanning.com> wrote in message
news:<MPG.199c9065ec03b7739896d0@news.frii.com>...

> Denis Barkats writes:
>
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> FOR j=0, N_Elements(names) - 1 DO BEGIN
>   IF N_Elements(ROUTINE_NAMES(names[j], FETCH=1)) GT 0 THEN BEGIN
>     value = ROUTINE_NAMES(names[j], FETCH=1)
>     HELP, value, Output=s
>     UnDefine, value
>     Print, StrUpCase(names[j]) + StrMid(s, 6)
>   ENDIF
> ENDFOR
>
> END
> ,*****
> ,
>

```

etc ...

Hmmm,

What is ROUTINE_NAMES? I could not find it documented in IDL6, nor on the Fanning web site. Could it be an undocumented routine?

Thanks,

Mirko

Subject: Re: IDL variables

Posted by [dbarkats](#) on Fri, 08 Aug 2003 22:07:28 GMT

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rigby@crd.ge.com (Wayne Rigby) wrote in message
news:<a2190b23.0308080542.2dba663e@posting.google.com>...
> dbarkats@princeton.edu (Denis Barkats) wrote in message
news:<5b684bf6.0308071453.4cd2ff0f@posting.google.com>...

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>> ones that start with the letter s.
>
> These might be what you're looking for:
>
> help, names='s*' (all variables that start with 's')
> help, names='*' (all variables)
>
> --Wayne

Thanks Wayne and David,
that helps.

-- AND yes, as a rule people like me who came to programming through
IDL in order to analyse data and such most often need work on their
programming skills---

--
DEnis
