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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 procdures. 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 exemple, get a list of the varaibles 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

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