
Subject: Re: Variable name to string
Posted by [R.Bauer](#) on Wed, 18 Jul 2001 13:16:58 GMT
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Chad Bender wrote:

>
> Hello-
>
> Can anyone please point me towards the solution of the following
> problem?
>
> Say I want to create a program that will write the contents of a named
> array to a
> file of the same name. This could be accomplished by having the program
> prompt
> the user for both the variable name (getting the array by reference) and
> the file name
> (getting the string naming the output file), and the user just puts the
> same
> thing twice. However, I would like to be able to do it so the user only
> has one prompt.
> The program asks what variable should be output, the user gives the
> variable name,
> and somehow the program is able to get a string with contents equivalent
> to the variable
> name for use in opening the output file.
>
> Seems like it should be an easy problem, but for the life of me I can't
> figure it out.
>
> In case it matters, I'm running IDL 5.4 under RedHat Linux 6.2.
>
> Thanks
> Chad Bender
> Dept of Physics and Astronomy
> State University of New York @ Stony Brook

execute won't work by runtime

If the program should work by runtime you should think a bit about using
of structures

PRO example

```
str=""  
READ ,'INPUT:',str  
  
value=10
```

```
struct={str:value}  
PRINT,TAG_NAMES(struct)  
PRINT,struct.(0)  
END
```

For structures useful routines are:

```
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_  
html/dbase/download/text2tagname.tar.gz  
struct={txt2tagname(str):value}
```

```
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/text_position.tar.gz
```

```
x=tag_names(struct)  
pos_x=tag_position(struct,x)
```

```
for i=0,n_elements(pos_x)-1 do begin  
  print,x[i]  
  print,struct.(pos_x[i])  
endfor
```

For further routines and licensing please have a look at
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

regards

Reimar

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Reimar Bauer

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```
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```

a IDL library at Forschungszentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

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<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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read something about linux / windows
<http://www.suse.de/de/news/hotnews/MS.html>
