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Subject: Re: Is it possible to set a string to a variable name?

Posted by [Vince Hradil](#) on Fri, 04 Sep 2009 13:26:34 GMT

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On Sep 4, 6:36 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

```
> I have an array of string and want to use its elements as variable
> names in a function.
> How can I do?
>
> Is there any simple code to replace the ones below?
>
> For example:
> STR = ['a', 'b', 'c', 'd', 'e']
> for i=0, 4 do begin
>   case i of
>     0: data=a
>     1: data=b
>     2: data=c
>     3: data=d
>     4: data=e
>   endcase
>   .....
>   .....
>   .....
> endfor
```

You could use EXECUTE(). Something like:

```
result = execute('data='+STR[i])
```

'course it won't work in the vm...

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Subject: Re: Is it possible to set a string to a variable name?

Posted by [rtk](#) on Fri, 04 Sep 2009 14:15:56 GMT

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On Sep 4, 5:36 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

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```
> 0: data=a
> 1: data=b
> 2: data=c
> 3: data=d
> 4: data=e
> endcase
> .....
> .....
> .....
> endfor
```

Use scope\_varfetch:

```
IDL> str = ['a','b','c','d']
IDL> for i=0,3 do (scope_varfetch(str[i],/ENTER,LEVEL=1)) = i
IDL> print, b
    1
IDL> print, a
    0
IDL> print, d
    3
```

Setting LEVEL to 1 creates the new variables in the main level, not specifying LEVEL or setting it to 0 will create them in the current routine.

Ron

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