Subject: Re: Little CREATE_STRUCT issue

Posted by David Fanning on Thu, 24 Mar 2005 13:57:36 GMT

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Ricardo Bugalho writes:

> I want to use CREATE_STRUCT like this:

>

> myStruct = CREATE_STRUCT(['tag1', 'tag2'], [100, 200])

>

- > Yes, I have a structure where all elements are of the same type.
- > Is there any magic way to do it, or I'll just have to write a small
- > function?

There is no magic in computer programming. (Except, of course, with objects.)

Cheers.

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Little CREATE_STRUCT issue
Posted by Michael Wallace on Thu, 24 Mar 20

Posted by Michael Wallace on Thu, 24 Mar 2005 16:37:56 GMT

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- > There is no magic in computer programming. (Except,
- > of course, with objects.)

But there are magic numbers in programming. ;-) http://www.catb.org/~esr/jargon/html/M/magic-number.html

-Mike

P.S. Sorry for the off-topicness.

Subject: Re: Little CREATE_STRUCT issue

Posted by JD Smith on Thu, 24 Mar 2005 17:11:06 GMT

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On Thu, 24 Mar 2005 13:34:58 +0000, Ricardo Bugalho wrote:

```
    Hi,
    I want to use CREATE_STRUCT like this:
    myStruct = CREATE_STRUCT(['tag1', 'tag2'], [100, 200])
    Yes, I have a structure where all elements are of the same type.
    Is there any magic way to do it, or I'll just have to write a small
```

You can build it up "piece by piece" using CREATE_STRUCT's ability to extend structures, like:

```
myStruct=create_struct('tag1',100)
myStruct=create_struct(myStruct,'tag2',200)
```

which could easily be made into a general function. This is inefficient for large structures, since it copies and extends the structure once for each tag, but at least it works.

I suspect RSI decided that if all your values are the same type, you could just put them in an array and save yourself the trouble of making a structure out of them... and maybe they have a point.

JD

> function?