Subject: Re: crazy question
Posted by David Fanning on Mon, 02 Mar 2009 21:10:02 GMT

llo writes:

> Is it possible to do something like that?
>
> ex='KEYWORD_NAME'
> aa=OBJ_NEW('AN_OBJECT')
> aa->SetProperty, ex=5
>
> I know this is imposible but maybe there is way to use strings (as a
> keywords) to set values.

Make your object inherit from an IDLitComponent object,
then you can use the SetPropertyByIdentifier method
to do this. (You probably have to register the properties
you want to set this way, first. See the RegisterProperty
method.) This will work for *any* object, not just object
graphics objects. I use it extensively in the Catalyst
Library.

Cheers,

David

--
David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: crazy question
Posted by David Fanning on Mon, 02 Mar 2009 21:16:09 GMT

David Fanning writes:

> Make your object inherit from an IDLitComponent object,
> then you can use the SetPropertyByIdentifier method
> to do this. (You probably have to register the properties
> you want to set this way, first. See the RegisterProperty
> method.) This will work for *any* object, not just object
> graphics objects. I use it extensively in the Catalyst
> Library.

I'm wrong about the registering part. You have to

register the properties you want to display in a
PropertySheet widget, which is *another* wonderful
benefit of subclassing the IDLitComponent object.
But registering doesn't have anything at all to do with
the SetPropertyByIdentifier method.

Cheers,

David
--
David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: crazy question
Posted by natha on Mon, 02 Mar 2009 21:16:34 GMT
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Thanks david

Subject: Re: crazy question
Posted by natha on Mon, 02 Mar 2009 21:19:13 GMT
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There is a way to do that for a ROUTINES or FUNCTIONS that uses
KEYWORDS ?

Subject: Re: crazy question
Posted by David Fanning on Mon, 02 Mar 2009 21:27:54 GMT
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llo writes:

> There is a way to do that for a ROUTINES or FUNCTIONS that uses
> KEYWORDS ?

Alas, no. Whatever it is ITTVIS is doing, they are
doing out of sight. :-)

Cheers,

David
--
David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)
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Subject: Re: crazy question
Posted by Jean H. on Mon, 02 Mar 2009 21:37:11 GMT
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llo wrote:
> There is a way to do that for a ROUTINES or FUNCTIONS that uses
> KEYWORDS ?
>
>

  try with execute(), but your code will not run in the virtual machine...

Jean

Subject: Re: crazy question
Posted by Vince Hradil on Mon, 02 Mar 2009 21:47:26 GMT
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On Mar 2, 3:27 pm, David Fanning <n...@dfanning.com> wrote:
> llo writes:
>> There is a way to do that for a ROUTINES or FUNCTIONS that uses
>> KEYWORDS ?
>
> Alas, no. Whatever it is ITTVIS is doing, they are
> doing out of sight. :-)
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

What about using EXECUTE, or CALL_METHOD, CALL_PROCEDURE, or
CALL_FUNCTION? Isn't that what those are for?

Subject: Re: crazy question
Posted by David Fanning on Mon, 02 Mar 2009 21:55:41 GMT
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Vince Hradil writes:

> What about using EXECUTE, or CALL_METHOD, CALL_PROCEDURE, or
> CALL_FUNCTION? Isn't that what those are for?

It wouldn't work with CALL_METHOD, CALL_PROCEDURE,
or CALL_FUNCTION, since these only allow you to
specify the method, function, or procedure name
as a string. But I suppose you could get it to
work somehow with EXECUTE. I just usually rule
that out since I prefer my code be able to run
on the IDL Virtual Machine. (Only God knows why,
though, since I don't think anyone in the world
has actually run my code using the Virtual Machine!)

Cheers,

David

--
David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: crazy question
Posted by Foldy Lajos on Tue, 03 Mar 2009 09:04:44 GMT
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On Mon, 2 Mar 2009, llo wrote:

> There is a way to do that for a ROUTINES or FUNCTIONS that uses
> KEYWORDS ?

You can do that with _EXTRA and CREATE_STRUCT:

```
; cut here, keytest.pro
pro keytest, key1=key1, key2=key2, _extra=ex
help, key1, key2
end
; cut here
```

```
IDL> keytest
% Compiled module: KEYTEST.
KEY1          UNDEFINED = <Undefined>
KEY2          UNDEFINED = <Undefined>
IDL> keytest, _extra=create_struct('key1', 1, 'key2', 2)
KEY1          INT    =      1
KEY2          INT    =      2
```

IDL>

regards,
lajos