
Subject: Re: Some special behaviour of ROUTINE_NAMES
Posted by [Liam E. Gumley](#) on Fri, 25 Feb 2000 08:00:00 GMT
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Craig Markwardt wrote:

> I don't know what possibilities you are talking about :-), but you can
> make funny and illegal structures by yourself too. Amuse your
> friends.
>
> IDL Version 5.2.1 (linux x86). (c) 1999, Research Systems, Inc.
> IDL> foo = create_struct('1',1, '2',2)
> IDL> help, /struct, foo
> ** Structure <817fda4>, 2 tags, length=4, refs=1:
> 1 INT 1
> 2 INT 2
> IDL> print, foo.(0), foo.(1)
> 1 2
>
> But, as you can see, the elements can be accessed by using the
> array-like indexing of structure tags.

Don't make a habit of it, because it's illegal in IDL 5.3:

```
IDL Version 5.3 (Win32 x86). (c) 1999, Research Systems, Inc.
IDL> foo = create_struct('1',1, '2',2)
% CREATE_STRUCTURE: Illegal tag name: 1.
% Execution halted at: $MAIN$
```

The documentation actually states that structure tag names must follow the same rules as variable names. It just wasn't enforced in create_struct() prior to IDL 5.3.

Cheers,
Liam.
<http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: Some special behaviour of ROUTINE_NAMES
Posted by [Craig Markwardt](#) on Fri, 25 Feb 2000 08:00:00 GMT
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Karsten Rodenacker <rodена@gsf.de> writes:

> Hallo IDL gurus,
> did anybody remark the quite special behaviour of that undocumented
> function ROUTINE_NAMES. Try to read with the idl macro import_image a
> file beginning with a number. A structure is generated with a variable
> name starting with a number, which is quite difficult to be accessed.

> Doesn't that open a lot of new possibilities?

I don't know what possibilities you are talking about :-), but you can make funny and illegal structures by yourself too. Amuse your friends.

IDL Version 5.2.1 (linux x86). (c) 1999, Research Systems, Inc.

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IDL> foo = create_struct('1',1, '2',2)
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```
IDL> help, /struct, foo
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```
** Structure <817fda4>, 2 tags, length=4, refs=1:
```

```
 1      INT      1
```

```
 2      INT      2
```

```
IDL> print, foo.(0), foo.(1)
```

```
 1      2
```

But, as you can see, the elements can be accessed by using the array-like indexing of structure tags.

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: Some special behaviour of ROUTINE_NAMES
Posted by [Karsten Rodenacker](#) on Mon, 28 Feb 2000 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Craig Markwardt schrieb:

> Karsten Rodenacker <rodена@gsf.de> writes:

>

>> Hallo IDL gurus,

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> IDL> foo = create_struct('1',1, '2',2)

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> ** Structure <817fda4>, 2 tags, length=4, refs=1:
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> IDL> print, foo.(0), foo.(1)
> 1      2
>
> But, as you can see, the elements can be accessed by using the
> array-like indexing of structure tags.
```

That does not meet the point. Show me how to create a variable beginning with an number (access it). E.G. 1foo=create(...)!
Regards

--

Karsten Rodenacker ()

-----:-)

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