
Subject: Re: Returning > 1 variable with functions?
Posted by [David Fanning](#) on Wed, 17 Dec 2003 02:32:47 GMT
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Jonathan Greenberg writes:

> Is there any way to write and call a function that returns more than one
> variable? The variables are arrays of different sizes, so merging them into
> a single array is an ugly way of doing it... help!

I'd return them in keywords. :-)

Cheers,

David

--

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Phone: 970-221-0438, IDL Book Orders: 1-888-461-0155

Subject: Re: Returning > 1 variable with functions?
Posted by [mmeron](#) on Wed, 17 Dec 2003 05:31:38 GMT
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In article <I7PDb.40771\$bK7.28491@newssvr29.news.prodigy.com>, "Jonathan Greenberg"
<greenberg@ucdavis.edu> writes:

> Is there any way to write and call a function that returns more than one
> variable? The variables are arrays of different sizes, so merging them into
> a single array is an ugly way of doing it... help!

>

You can return as many variables as you wish, through keywords.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"

Subject: Re: Returning > 1 variable with functions?
Posted by [R.Bauer](#) on Wed, 17 Dec 2003 09:56:53 GMT
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Jonathan Greenberg wrote:

> Is there any way to write and call a function that returns more than one
> variable? The variables are arrays of different sizes, so merging them into
> a single array is an ugly way of doing it... help!

>
> --j
>
>

Why not returning a structure, or a pointer

```
return, {x:1,y:2,z:3}
```

```
ptr=ptr_new({x:1,y:2,z:3})  
return, ptr
```

Reimar

--

Reimar Bauer

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

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Subject: Re: Returning > 1 variable with functions?
Posted by [robert.dimeo](#) on Wed, 17 Dec 2003 12:24:13 GMT
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"Jonathan Greenberg" <greenberg@ucdavis.edu> wrote in message
news:<I7PDb.40771\$bK7.28491@newssvr29.news.prodigy.com>...

> Is there any way to write and call a function that returns more than one
> variable? The variables are arrays of different sizes, so merging them into
> a single array is an ugly way of doing it... help!
>
> --j

You can return a structure whose fields contain any type of variable.
