
Subject: Re: confusion around a pointer to an array of structures
Posted by [Edd Edmondson](#) on Tue, 09 Aug 2005 18:53:13 GMT
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Henry <henrygrove@yahoo.com> wrote:

- > But, I can see no other way around this, aside from redesigning how I'm
- > storing the information. Does anyone see how to do the equivalent of
- > "((*a)[0]).x = 99d" in the above example? (without the awkward three
- > line dumb hack I've shown)
- > I'm sure I'm just not seeing something simple....

Is there anything incorrect about saying (*a)[0].x=99d ?

--

Edd

Subject: Re: confusion around a pointer to an array of structures
Posted by [Henry](#) on Tue, 09 Aug 2005 18:57:57 GMT
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Gak!!!!

Good grief. I could have sworn I'd tried every combo, but clearly not.

I will now retreat shame faced, return my 9 or so years of IDL programming experience to whence it came, and retire to goat farming.

Many thanks!
-Henry

Subject: Re: confusion around a pointer to an array of structures
Posted by [Henry](#) on Tue, 09 Aug 2005 19:03:26 GMT
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If this group should ever hold a "dumbest question ever" contest, I hereby self-nominate my above post.

-Henry

Subject: Re: confusion around a pointer to an array of structures
Posted by [JD Smith](#) on Tue, 09 Aug 2005 19:21:05 GMT
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On Tue, 09 Aug 2005 11:57:57 -0700, Henry wrote:

> Gak!!!!
>
> Good grief. I could have sworn I'd tried every combo, but clearly
> not.

You might like to have a read of the operator precedence tutorial, which provides a useful rule of thumb on when and where parentheses are needed in this sort of situation:

http://www.dfanning.com/misc_tips/precedence.html

JD

Subject: Re: confusion around a pointer to an array of structures
Posted by [Paul Van Delst\[1\]](#) on Tue, 09 Aug 2005 20:07:14 GMT
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Edd wrote:

> Henry <henrygrove@yahoo.com> wrote:
>
>> But, I can see no other way around this, aside from redesigning how I'm
>> storing the information. Does anyone see how to do the equivalent of
>> "((*a)[0]).x = 99d" in the above example? (without the awkward three
>> line dumb hack I've shown)
>> I'm sure I'm just not seeing something simple....
>
>
> Is there anything incorrect about saying (*a)[0].x=99d ?
>

I tried the OP's method and got his error,

```
IDL> ((*a)[0]).x = 99d
% Attempt to store into an expression: Structure reference.
% Execution halted at: $MAIN$
```

and thought that the "correct" syntax would be something like ((*a).x)[0]

This is what I get,

```
IDL> a = ptr_new( replicate( {x:0d}, 5 ) )
IDL> (*a).x = dindgen(5)
IDL> help, ((*a).x)[0]
<Expression>  DOUBLE    =      0.0000000
IDL> ((*a).x)[0] = 99d
```

% Internal error: The Interpreter stack is not empty on exit.

IDL> help, ((*a).x)[0]

<Expression> DOUBLE = 99.000000

So that works too..... sort of.

Veird.

paulv

--

Paul van Delst

CIMSS @ NOAA/NCEP/EMC
