
Subject: Re: Expression question

Posted by [David Fanning](#) on Wed, 30 May 2007 23:22:18 GMT

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shd writes:

> I can assign a value to "arr[0]" and not "(arr[0]).a". I also tried
> "(arr.a)[0]" and got a similar error. What am I missing here?

Your problem is explained here.

http://www.dfanning.com/tips/concatenate_structs.html

Cheers,

David

--

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

Subject: Re: Expression question

Posted by [jkj](#) on Wed, 30 May 2007 23:29:05 GMT

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On May 30, 4:05 pm, shd <usenet_in...@yahoo.com> wrote:

> Code:

> =====

> pro shd_test

>

> st = {a:0, b:0}

>

> arr = [st, st, st, st, st]

>

> help, st

> help, arr[0]

> help, (arr[0]).a

> help, arr.a

> help, (arr.a)[0]

>

> st.a = 1

> arr[0] = {a:1, b:0}

> (arr[0]).a = 1

> ;(arr.a)[0] = 1

> end

> =====

>

```

> Output:
> =====
> IDL> shd_test
> ST          STRUCT  = -> <Anonymous> Array[1]
> <Expression>  STRUCT  = -> <Anonymous> Array[1]
> <Expression>  INT     =      0
> <Expression>  INT     = Array[5]
> <Expression>  INT     =      0
> Attempt to store into an expression: Structure reference.
> Execution halted at: TEST_ODDITY      15 C:\Dev\IDL\projects\test
> \test_oddity.pro
>          $MAIN$
>
> =====
>
> I can assign a value to "arr[0]" and not "(arr[0]).a". I also tried
> "(arr.a)[0]" and got a similar error. What am I missing here?

```

```

try this:
arr[0].a = 1
arr[1].b = 2
arr[2].a = 3

```

arr is an array of structures, so arr[i] allows you to access the ith structure

-Kevin
