
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
