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Subject: Re: Simple question on Arrays

Posted by [Vincent Schut](#) on Mon, 04 Feb 2002 08:44:50 GMT

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Akhila wrote:

```
> HI,  
> I have written a small code to get a 3D array from a 2D array. The  
> error i encounter is :  
>  
> DL> multfile  
> RESULT      STRING  = Array[3]  
> I          INT    =    0  
> % Out of range subscript encountered: A.  
> % Execution halted at: MULTFILE      16  
> D:\RS\IDL55\Akhila\JanWeek3\multfile.pro  
> %  
>          $MAIN$  
>  
>  
>  
> Can anybody please tell me, why the subscripts are out of range. i'm  
> not able to understand that.  
>
```

[snipped your program code...]

Akhila,

use N\_ELEMENTS instead of SIZE.

Size returns not the number of elements in an array, but a couple of other properties, like the number of dimensions (which is \*not\* the number of elements; a (3,2) array has 6 elements, but 2 dimensions. Your array has only 1 dimension, as it is a 1-dimensional array; and some info about the data type of the argument of size. For more info, see your idl-help or manual.

Using N\_ELEMENTS should give you the right result: 3, as your array (as you pick 3 files) has 3 elements.

Hope it helps.

Cheers,  
Vincent Schut.

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