Subject: Re: Array subscript question
Posted by davidf on Thu, 02 Mar 2000 08:00:00 GMT
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Kenneth P. Bowman (bowman@null.edu) writes:

> Can someone explain this behavior to me? I can't find anything in the
> documentation that states that repeated subscripts are handled
> differently.
>
> IDL> a = FINDGEN(5)
> IDL> i = [1, 2, 3]
> IDL> a[i] = a[i] + 10.0
> IDL> PRINT, a
>   0.00000   11.0000   12.0000   13.0000   4.00000
>
> This is the behavior I expect.
>
>
> IDL> a = FINDGEN(5)
> IDL> i = [2, 2, 2]
> IDL> a[i] = a[i] + 10.0
> IDL> PRINT, a
>   0.00000   1.00000   12.0000   3.00000   4.00000
>
> Why does it only do the operation *once* when
> IDL> HELP, a[i]
> <Expression>   FLOAT   = Array[3]

Uh, I'm sure it's doing the operation three times, Ken.
But always to the same value. :-)

Sounds what you want is a loop. I'm not too fond
of them in IDL, but certainly it's appropriate here.
I think the answer to your question really is this:
array subscripting operations are NOT loops!

  FOR I=0,2 DO a[2] = a[2] + 10.0

Cheers,

David
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