Subject: Re: REFORM: new subscripts must not change the number elements in array
Posted by David Fanning on Mon, 02 Mar 2015 19:55:23 GMT
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g.nacarts@gmail.com writes:

> I used the example provided by mo who said that 200*200=100*400. When a 2D array has dimensions [216,216] then 216*216=120*388.8
>
> when I tried a=reform(a,120l,388.8L,/overwrite) I got the old error

Are you familiar with "counting" numbers? 1,2,3,...

Array dimensions can only be specified with counting numbers. 388.8 is real number, but not a counting number. You can pick any two counting numbers to multiply together, so long as the TOTAL (also a counting number) is the same counting number you get when you multiply the original dimensions of the array together. Another way of saying this is that when you reform (bend, shape, twist, etc.) an array, it can't end up with more or less array elements then when you started.

If you DO want to end up with some other number of elements, then you are going to have to REBIN your array, rather than REFORM it.

I say this in the most gentle way possible, but are you sure you are on the right career path? I'm not sure math (and by extension computer programming) is really going to be your thing. There is a way of thinking and seeing the world that is required to write computer programs that some people (no fault of their own!) just don't have. You might be happier and less frustrated doing something that is more closely related to your nature.

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")