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Subject: Re: Swap even/odd elements in array

Posted by [David Fanning](#) on Wed, 22 Jun 2005 14:06:46 GMT

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Ken Bowman writes:

>> how could I swap even and odd elements of a 1-D 16-bit INT array

>> without using loops?

>

> IDL> x = lindgen(16)

> IDL> print, x

>       0       1       2       3       4       5

> 6       7

>       8       9       10       11       12       13

> 14       15

> IDL> x = reform(reverse(reform(x, 2, 8), 1), 16)

> IDL> print, x

>       1       0       3       2       5       4

> 7       6

>       9       8       11       10       13       12

> 15       14

Those of you who have been invited to answer the Test Question

([http://www.dfanning.com/misc\\_tips/iepa.html](http://www.dfanning.com/misc_tips/iepa.html)) at this year's

IEPA conference might want to take careful note of this answer.

I'd say the chances are pretty good you might see it again. ;-)

Cheers,

David

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

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