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Subject: Re: Swap even/odd elements in array  
Posted by [K. Bowman](#) on Wed, 22 Jun 2005 13:22:43 GMT  
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In article <1119428174.330105.170110@o13g2000cwo.googlegroups.com>, photosalex@freenetname.co.uk wrote:

> Hi All,  
> sorry if the question is trivial:  
> how could I swap even and odd elements of a 1-D 16-bit INT array  
> without using loops? That is, if the source array is  
>  
> [a0,a1,a2,a3,..]  
>  
> I want it to be  
>  
> [a1,a0,a3,a2,..]  
>  
> Thanks!

```
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
```

Cheers, Ken Bowman

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