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Subject: Re: Invalid indices?

Posted by [Michael Galloy](#) on Tue, 27 Oct 2009 18:48:26 GMT

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Y.T. wrote:

```
> So I'm kinda living under a rock:
> IDL Version 6.3, Microsoft Windows (Win32 x86 m32)
>
> so I'm curious whether this is intended/expected behaviour or a bug or
> what (and whether it has change in recent years):
>
> IDL> t = lindgen(7)
> IDL> print,t
>      0      1      2      3      4
> 5      6
>
> IDL> n=5*indgen(5)
> IDL> print,n
>      0      5     10     15     20
>
> IDL> t[n] = 100
> IDL> print,t
>     100      1      2      3      4
> 100      100
>
> So element number 0 got set to 100 (OK), element number 5 got set to
> 100 and ... element number 6 also got set to 100?
>
> Why is that? I understand that I'm specifying elements "out of
> range" (number 10 and 15 etc) - is that the reason? Is this
> documented? It took me by surprise...
```

If you would rather have an error thrown in this case, do

```
compile_opt strictarrsubs
```

before you do your indexing:

```
IDL> d = findgen(10)
IDL> print, d[[-1, 0, 5, 10, 11]]
      0.00000  0.00000  5.00000  9.00000  9.00000
IDL> compile_opt strictarrsubs
IDL> print, d[[-1, 0, 5, 10, 11]]
% Array used to subscript array contains out of range subscript: D.
% Execution halted at: $MAIN$
```

Mike

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www.michaelgalloy.com  
Research Mathematician  
Tech-X Corporation

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