
Subject: Re: Invalid indices?

Posted by [Foldy Lajos](#) on Tue, 27 Oct 2009 18:02:39 GMT

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On Tue, 27 Oct 2009, 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...
>
```

There is no out of range error for array subscripts, they are always clipped. From the docs:

Elements of the subscript array that are negative or larger than the highest subscript are clipped to the target array boundaries. Note that a common error is to use a negative scalar subscript (e.g., A[-1]). Using this type of subscript causes an error. Negative array subscripts (e.g., A[[-1]]) do not cause errors.

regards,
lajos
