Subject: Re: Array indexing problem
Posted by roberson_1 on Thu, 29 Jan 2004 17:03:42 GMT
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Thank you for responding so quickly. Compile_opt STRICTARRSUBS works for IDL 6.0 but I have to use 5.1. Is there a way to add in a compile function, or some else that will look for this error in the original code? I don't want to add an error handler, which David suggested. The original code can not be altered.

Roy

"Liam Gumley" <pip_book@mailinator.com> wrote in message news:<bv9c35lqf1@news.doit.wisc.edu>...
> "Roy" <roberson_1@yahoo.com> wrote in message
> news:c0a9aee5.0401281200.400888f1@posting.google.com...
>> Is there any existing code that will catch the below IDL simple
>> example? Input a and b must be an array.
>>
>> Input is an array:
>> IDL> b=[4]
>> IDL> a=[0,1,2]
>> IDL> print,a[b]
>> 2
>> This should give me an error.
>
> This is how array subscripting works in IDL, when the subscript is an array.
> To quote the IDL Manual "Building IDL Applications", Chapter 5, "Using
> Arrays as Subscripts":
>
> "If an element of the subscript array is less than or equal to zero, the
> first element of the subscripted variable is selected. If an element of the
> subscript is greater than or equal to the last subscript in the subscripted
> variable (N, above), the last element is selected."
>
> If the subscript variable has just one elements, then you can do this
> instead
>
> IDL> print, a[b[0]]
> % Attempt to subscript A with <LONG (4)> is out of range.
> % Execution halted at: $MAIN$
>
> since b[0] is a scalar. You can do this even if b is a scalar.
>
> Cheers,
> Liam.
> Practical IDL Programming
> http://www.gumley.com/