Subject: Re: Errors when compiling routines with main-level programs
Posted by PMan on Mon, 23 Feb 2015 13:56:57 GMT
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On Saturday, February 21, 2015 at 2:52:33 PM UTC-5, Paul Mallas wrote:
> Look into the STATIC keyword - you can create an object that has a bunch of static functions that should address your problem.
>
> On Saturday, February 21, 2015 at 10:53:12 AM UTC-5, Matthew Argall wrote:
>> I have adopted the practice of putting main-level programs below utility functions to demonstrate their use. The problem is, only one such routine can be compiled manually at a time, and it must come at the end of the compile list. It can get pretty annoying. Here is a simple example:
>>
>> IDL> .compile uniq, mruniq
>> % Compiled module: UNIQ.
>> % Compiled module: MRUNIQ.
>> % Compiled module: $MAIN$.
>>
>>
>> IDL> .compile mruniq, uniq
>> % Compiled module: MRUNIQ.
>> % Compiled module: $MAIN$.
>> % End of file encountered before end of program. File: mruniq.pro
>>
>> function UNIQ, ARRAY, IDX
>>   ^
>> % Procedure header must appear first and only once: UNIQ
>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 68
>>
>>   if (s[0] eq 0) then return, 0 ;A scalar
>>   ^
>> % Return statement in procedures can't have values.
>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 73
>>
>>   else return, n_elements(q)-1
>>   ^
>> % Return statement in procedures can't have values.
>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 78
>>
>>   else return, n_elements(q)-1
>>   ^
>> % Return statement in procedures can't have values.
>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 78
>>
>>   else return, n_elements(ARRAY)-1
>>   ^
>> % Return statement in procedures can't have values.

>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 82
>>
>>   else return, n_elements(ARRAY)-1
>>   ^
>> % Return statement in procedures can't have values.
>>   At: /Applications/exelis/idl82/lib/uniq.pro, Line 82
>> % 6 Compilation error(s) in module $MAIN$.
>>
>>
>>
>>
>> Is there a fix for this? Or should I not be putting main-level programs at the end of functions and procedures?

I meant compiler options, not keyword for static.
http://www.exelisvis.com/docs/Static_Methods.html
