Subject: Re: check for duplicate routine names?
Posted by Craig Markwardt on Fri, 19 Jan 2001 16:34:11 GMT
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Michael W Asten <masten@mail.earth.monash.edu.au> writes:

> It is a stupid error to have a two routines of the same name
> DoitNow.pro , in two different library files MyLib1.pro and MyLib2.pro
> .
> But your correspondent is sometimes stupid. The consequence of course
> is that the second compilation (of MyLib2.pro) over-rides the first (of
> MyLib1.pro) , so whatever was intended by maintenance of the code in
> MyLib1.pro does not execute. Or worse, when the two libs are compiled
> in different sequences, results become unpredictable.

Yes, I think IDL would be improved by more quality-of-code features
that could detect problems like this.

Another thing that would be nice is warnings about ambiguous uses of
variables that might shadow a function in the library. Note this
code:

  max = max(x, min=min)

The next time you use min(x), will you get the function or the
variable named min?

You might say, "oh, I used square brackets, this is not a problem,"
but since round parenthesis are still allowed (unless you disable
them), I believe this can still be a problem. This has bitten me a
few times, so I'm not saying it's a huge deal. It is a compile time
issue since peoples' function libraries are different.

Craig

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