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Subject: Compilation Error: Procedure header must appear first and only once

Posted by [Maegereg](#) on Mon, 27 Jun 2011 20:38:42 GMT

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I've been trying to get someone else's program written in IDL 6.4 to compile in IDL 8.0. I don't have any previous experience with the language, and my C/Python experience is proving a poor substitute to expert knowledge. I'm running into the most curious compiler error in two of my files. I can't put the full code up here (to begin, between the two there are probably 3000 lines), but I'll try to describe things as best I can. It's fairly simple: in both of the files, all the procedures and functions defined past a certain point produce the following error on compilation:

"% Procedure header must appear first and only once: ANALYZE \_ROI\_DATA

At:..." (for example). Every function and procedure that's later in a file than a function or procedure that's got that error gets it too.

And if you were wondering about functions getting an error about procedures, the functions all also get "Return statement in procedures can't have values." I've been able to fix it by rearranging the functions/procedures in a file (worked on one of the two files, haven't tried it on the other), but I understand there are good reasons to leave the command procedures/functions at the end of the file.

I've checked a number of possibilities: these aren't already defined in the IDL libraries. I checked the procedures immediately before the first erroneous procedure in both files, and all the begin statements (and equivalents) seem to have corresponding end statements. The program compiles fine in IDL 6.4 (I don't have a copy of 6.4, but I've seen this program run, and have used it myself). I'm just about at the end of things I can think of to try to fix this. Anyone have any suggestions?

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