
Subject: Re: Compilation Error: Procedure header must appear first and only once
Posted by [jaromnelson](#) on Mon, 20 Jun 2016 18:46:11 GMT

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I know this question is very old, but this was an error I was getting, and I could not find the solution. I eventually found in my case that this error was caused by a non-printed non-ASCII character at the beginning of the file. After copying the text and saving as a new file (fortuitously without the rogue character) the error disappeared. Subsequent comparisons between the two files revealed the error.

Posting here since this is high on the results lists in internet searches for this error message.

Jarom

On Monday, June 27, 2011 at 1:38:42 PM UTC-7, Maegereg wrote:

- > 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?