Subject: quirk End of file encountered before end of program

Posted by LC's No-Spam Newsread[1] on Thu, 11 Dec 2014 15:03:53 GMT

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I am trying to adapt some old code to a new task. I *occasionally* get
(IDL 8.4 on Linux)

return
    ^
% Syntax error.
   At: xxx.pro, Line 26

% End of file encountered before end of program.
   At: xxx.pro, Line 28

although the program contains a perfectly valid return and end statement

Then I strip the program of almost all code, and it compiles. Then I
gradually add code until I get the error. Each time I exit and
reenter IDL.

I had a thought that it could be a sequence of begin end clauses in a
case statement (could it confuse the end of a begin end with the
compiler end ?) but than I remove entirely the case statement and go
back to the code which last time compiled, and it still gives the
error.

The code should look something like this

```
pro xxx.pro,ARGUMENTS
   openw,2,'temporary.temp'
   printf,2,'structure=create_struct( $'
```

CASE STATEMENT FILLING THE STRUCTURE DEFINITION in the temp file
(the default for an "empty" structure would just be)
```
   printf,2," 'data',-1 $"
```

```
printf,2,')'
close,2
; and instantiate it
   @ temporary.temp
;help,structure
return
end
```

sometimes the code with the CASE gives the error, sometimes doesn't.
Sometimes the code without the CASE gives the error, I comment out the
batch invocation of @ temporary.temp, and it doesn't ... then I reinsert

the batch invocation and then it works.

I also have the impression sometimes it finds an early version of temporary.temp or does not find it even if existing. But the file is on a local disk, not NFS (these glitches can occur if nfs client and server are out of sync), and moreover we use ntp to keep all our clocks on synch.

Any clue ? I hate non-reproducible errors ...

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