
Subject: Re: Printing line number of an error
Posted by [David Fanning](#) on Sun, 16 Feb 2003 23:07:16 GMT
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K Banerjee (kbanerjee@ucwphilly.rr.com) writes:

> Say I encounter an error at line 23 of the file mycode.pro. Is there
> a way to print something like:
>
> ERROR: At line [23] in file [mycode.pro].
>
> I looked at the system variables, but found nothing appropriate.

Well, that is exactly what comes back from the error message and the traceback that it generates automatically. I inserted a "Print, xx" statement in line 23 of the program I have in front of me. Here is the error message:

Trace Error Report from TC_FIX_OVERLAY::EVENTHANDLER:

```
% PRINT: Variable is undefined: XX.  
% Execution halted at: TC_POINT_UTILITY  23 C:\PM\tc_point_utility.pro  
%   TC_FIX_OVERLAY::EVENTHANDLER  73 C:\PM\tc_fix_overlay__define.pro  
%   CONTROL_PANEL::EVENTHANDLER  199 C:\PM\controlpanel__define.pro  
%   WIDGET_ATOM::EVENTHANDLER  132 C:\PM\widgetatom__define.pro  
%   EVENT_DISPATCHER  57 C:\PM\eventdispatcher.pro  
%           $MAIN$
```

I can see that the error occurred at line 23 in the program file tc_point_utility.pro. I *got* to that line in my program by generating an event from the \$MAIN\$ level that went through my eventdispatcher.pro code (at line 57), to my WidgetAtom event handler (at line 132), to my ControlPanel event handler (at line 199), to my TC_Fix_Overlay event handler (at line 73), and finally into my TC_Point_Utility program at line 23.

This particular error message was formatted by going through my ERROR_MESSAGE program after being caught with a CATCH error handler, but it simply uses the standard error traceback information that is presented for any error occurring in IDL.

If you only wanted the first line of the traceback information, you could easily modify ERROR_MESSAGE to provide just this.

http://www.dfanning.com/programs/error_message.pro

Cheers,

David

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