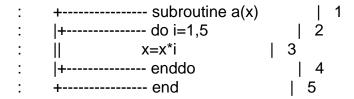
Subject: Re: Include diagramming in your compiler, interpreter, debugger or editor! Posted by sg928ah5 on Mon, 11 Dec 1995 08:00:00 GMT

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Mitchell R Grunes (grunes@news.nrl.navy.mil) wrote:

- : Include diagramming in your compiler, interpreter, debugger or editor!
- : The diagramming programs just posted to alt.sources, and to the C,
- : Fortran, IDL and PV-WAVE news groups create diagrams along the lines
- : of



- : which make it easier to understand source code listings by drawing
- : lines next to blocks of code to indicate the start and end of programs
- : and statement blocks, and by printing a "*" next to jump statements.
- : (If you have a PC, they can also draw line graphics).
- : Such things are especially useful when examining other people's code,
- : or with the very very elaborate code developed by many people over a
- : period of decades.
- : Actually it would be far more useful if diagramming were incorporated
- : into other tools:
- : 1. Compilers could add diagramming lines to their source code listings.
- Since compilers have a full fledged language parser, they are less
- easily fooled by things like variable names that match keywords,
- pathological spacing, etc. And it would help people figure out
- incorrect nesting.
- : 2. Likewise for interpreters.
- : 3. Interactive debuggers might also diagram the code they are displaying,
- to help the user execute the code trhough a current block.
- : 4. Editors designed to edit a particular language could help the
- programmer by drawing such lines too.
- : I hope people who design such tools will consider including diagramming.
- : It would make them easier to use and more "user-friendly".
- : Thanks for your consideration.

: Mitchell R Grunes, grunes@nrlvax.nrl.navy.mil. Opinions are mine alone.

Nice ideas! Did you think about send the above message to Absoft, Lehigh and Microsoft?