
Subject: Re: Free source code diagramming programs

Posted by idlwizard-1@yahoo.com on Fri, 14 Apr 2006 00:20:40 GMT

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> Pretty printers (auto-indentation, etc.) lose a lot of information...
> and tend to mess up comments,
> especially when the author carefully lined up the columns of his/her
> comments or code in some sort of table.

Could you elaborate on this? What information is lost by reformatting?

Here is an example from a FORTRAN calculator program, which will also only line up right if you display in a fixed width font like Courier:

```
                                ! Problems
      if((a.eq.'/' .and. y.eq.0).or.      ! Divide by 0
& (a.eq.'1/' .and. y.eq.0).or.      ! reciprocal of 0
& (a.eq.'^' .and.(y.lt.0      ! Negatives to
negative power
& .or.(x.eq.0.and.y.eq.0))) then ! Zero to zero power
```

If you only know IDL,

```
                                ; Problems
      if (a eq '/' and y eq 0) or $      ; Divide by 0
      (a eq '1/' and y eq 0) or $      ; reciprocal of 0
      (a eq '^' and (y lt 0 $      ; Negatives to
negative power
      or (x eq 0 and y eq 0)) then begin ; Zero to zero
power
```

If you only know C,

```
                                /* Problems */
      if((strcmp(a,'/')==0 && y==0) || /* Divide by 0 */
      (strcmp(a,'1/')==0 && y==0) || /* reciprocal of 0 */
      (strcmp(a,'^')==0 && (y==0 /* Negatives to negative
power */
      || (x==0 && y==0))) { /* Zero to zero power */
```

No pretty printer is gonna preserve that.
