
Subject: Re: Free source code diagramming programs
Posted by [Al Balmer](#) on Fri, 14 Apr 2006 00:43:26 GMT
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On 13 Apr 2006 17:20:40 -0700, "mitch grunes" <idlwizard-1@yahoo.com> wrote:

```
>> 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.
```

I wouldn't ask a pretty printer to format anything that won't compile.
Count your parentheses and braces. Check the definition of strcmp().

--
Al Balmer

