## Identification

expand
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## Purpose

The PL/I language includes in it the ability to expand
macros at compile time.  The expand command and expand_seg
(BY.21.01) library procedure answer this need.

## Usage

        expand pathname -mode-

will cause the segment located in the file system directory
at pathname to be scanned as described in BY.21.01, creating
the output segment at pathname.expanded with the access
mode mode.  The "brief" option controls expand's verbosity.

        dcl   pathname char(*)     /*or char(*) varying*/

              mode char (5)        /*or char (5) varying*/;

pathname is the path name of the segment to be scanned
and may be specified relative to the root directory or
to the current working directory (with or without a ">"
as the first character).

mode is the access mode for the new segment pathname.expanded.
It consists of any combination of the characters T, R,
E, W and A (representing the modes Trap, Read, Execute,
Write and Append, respectively.

If mode is a zero-length character string, then expand
uses the access mode of the segment pathname.

## Implementation

expand calls the library procedure expand_seg (section
BY.21.01) to scan the segment and create the output segment.
Status returned from expand_seg is reflected to the user
as console comments.