Subject: Square Brackets vs. Parentheses
Posted by Eric Pilger on Fri, 24 Nov 2000 08:00:00 GMT
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I realize this may already have been covered, and I know they warned us about this some time back. However, with one thing and another, and skipping IDL 5.3 (because they never got around to sending it to us), we are only now being hit with:

Square brackets are only for arrays. Parentheses are only for functions.

Needless to say, I have a user who has been playing loose with this stuff for years. He now has hundreds of routines that use parentheses for arrays AND functions, and are therefore broken under IDL 5.4. Does anybody out there have a fix for this problem? Possibly a nice little parser/translator that can figure out what's meant and stick in the appropriate symbol :-) After all, IDL was doing it for years.

Thanks and aloha.

--
Eric J. Pilger
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Subject: Re: Square Brackets vs. Parentheses
Posted by landsman on Fri, 24 Nov 2000 20:35:00 GMT
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In article <3A1EA3B6.A337AB1E@higp.hawaii.edu>, Eric Pilger <pilger@higp.hawaii.edu> writes...

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> stuff for years. He now has hundreds of routines that use parentheses
> for arrays AND functions, and are therefore broken under IDL 5.4. Does
> anybody out there have a fix for this problem? Possibly a nice little
> parser/translator that can figure out what's meant and stick in the
> appropriate symbol :-) After all, IDL was doing it for years.

The procedure idlv4_to_v5.pro in
http://idlastro.gsfc.nasa.gov/ftp/contrib/landsman/v5
(and supporting procedures (FDECOMP, MATCH, REMOVE, ISFUNCTION())
is about 98% efficient in converting all indexing parentheses into
square brackets.   It has occasional problems with continuation lines, and
indicies within strings (e.g. for an EXECUTE() statement).

--Wayne Landsman   landsman@mpb.gsfc.nasa.gov

Subject: Re: Square Brackets vs. Parentheses
Posted by davidf on Fri, 24 Nov 2000 21:30:37 GMT

Eric Pilger (pilger@higp.hawaii.edu) writes:

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> parser/translator that can figure out what's meant and stick in the
> appropriate symbol :-) After all, IDL was doing it for years.

Square bracket notation is "suggested", even "preferred",
but not "required" at all. Why do you think so?

Best Regards,

David
--
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