Subject: Re: string conversion & integer
Posted by David Fanning on Thu, 08 Nov 2007 17:37:35 GMT

metachronist writes:

> Okay folks, I am sure this has been discussed many times already.
> Maybe trivial/silly... Anyway, to make sure:
>
> Problem:
> ------------
>> print,where(X.dd eq dd_d)
>   -1
> I think it's got to do with internal representation:
>
> dd_d is originally read in as "string", for ease of concatenation and
> constructing filename, along with year and month etc. Say, for
> example, as '07'
>
> But field "dd" in X.dd is defined in the format statement as:
> dd:0L , say for example, from 1 to 10.
> So there is a type mismatch. I tried:
>
>> print, where(X.dd eq fix(dd_d,type=3)
>   -1
>> print, where(X.dd eq long(dd_d))
>   -1
>
> No luck. Is there a way out "other than defining dd_d as long
> originally and make excessive use of string/strtrim/strmid etc while
> constructing filenames?

Well, here is an experiment:

IDL> x = {dd:indgen(10)}
IDL> y = '8'
IDL> print, where(x.dd eq fix(y))
        8

I think maybe you are making assumptions that just
ain't true in your code. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/