
Subject: Re: indexing over structure tags

Posted by [Paul van Delst](#) on Thu, 19 Apr 2001 17:05:43 GMT

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Paul van Delst wrote:

```
>
> Randall Skelton wrote:
>>
>> Hello,
>>
>> Imagine someone has a structure of structures...
>>
>> ; define the basic structure for each
>> sm_struct = {basic_struct, comment: ' ', values: fltarr(nlev)}
>>
>> ; define the large structure
>> data = {big_struct, so4: sm_struct, co2: sm_struct, hcl: sm_struct}
>>
>> The IDL manual describes how to make an array of the tags in a structure
>> using:
>>
>> ; get the names of the tags
>> names = tag_names(data)
>>
>> so that names = [so4, co2, hcl].
>>
>> That is all fine. But is it possible to index over the tag names with a
>> for-loop?
>>
>> i.e. for i=0, n_elements(names)-1 do data.names[i].values = i
>>                      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>
> Maybe
>
> data.names[i].(j) where j=0->N_TAGS(data.names[i])-1 ??
>
> This works on "single-level" structures but I don't see why it wouldn't work on nested
> ones.
```

Oops, I guess you really wanted something like

```
data.(i).values
```

where i=0->number of molecular names

'Scusi

paulv

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Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
paul.vandelst@noaa.gov Alexander Pope.
