

Subject: Re: indexing over structure tags  
Posted by [Paul van Delst](#) on Thu, 19 Apr 2001 17:00:20 GMT  
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Randall Skelton wrote:

```
> Hello,  
>  
> Imagine someone has a structure of structures...  
>  
> ; define the basic structure for each  
> sm_struc = {basic_struct, comment: '', values: fltarr(nlev)}  
>  
> ; define the large structure  
> data = {big_struct, so4: sm_struc, co2: sm_struc, hcl: sm_struc}  
>  
> 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.

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.