
Subject: Re: using an unknown number of keywords
Posted by [Liam E. Gumley](#) on Mon, 22 Oct 2001 18:47:42 GMT
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Sean Raffuse wrote:

```
>
> David Fanning <david@dfanning.com> wrote in message
> news:MPG.163a5b3f51d8f2ea989719@news.frii.com...
>> Sean Raffuse (sean@me.wustl.edu) writes:
>>
>>> I'm trying to write a more or less universal procedure that takes a data
>>> structure and prints the variables out one by one one a line in an ascii
>>> file. The problem is that the structure could have any number of
> variables.
>>> I want to do this:
>>>
>>> printf, lun, structure.var1, structure.var2, structure.var3, . . .,
>>> structure.varN
>>>
>>> If I know N, is there a way to do this without resorting to N cases?
>>
>> How about something like this:
>>
>> numTags = N_Tags(structure)
>> PrintF, lun, structure, Format='(' + StrTrim(numTags,2) + 'F10.2)'
>>
> This would work fine if I didn't have different data types. Strings (of
> various lengths) may be mixed with floats and integers. Any other ideas out
> there in IDL expert land??
```

Why not use default formatting? For example:

```
IDL> a = {var1:indgen(30), var2:['a', 'b', 'c'], var3:findgen(9)}
IDL> print, a
{   0   1   2   3   4   5   6   7
    8   9  10  11  12  13  14  15
   16  17  18  19  20  21  22  23
   24  25  26  27  28  29
a b c
  0.00000  1.00000  2.00000  3.00000  4.00000
  5.00000  6.00000  7.00000  8.00000
}
```

Each variable starts on a new line in the printed output.

Cheers,
Liam.
Practical IDL Programming

