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Subject: Re: quirk End of file encountered before end of program  
Posted by [LC's No-Spam Newsread\[1\]](#) on Wed, 17 Dec 2014 10:28:36 GMT  
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On Mon, 15 Dec 2014, Yngvar Larsen wrote:

```
> ! LC's No-Spam Newsreading account wrote:
>>
>> The original code I had (dating to several years ago, before anonymous
>> structures were introduced) used in fact a much more complex mechanism.
>
> Wow. Are you sure? Both named and anonymous structures have been there
> at least since IDL 4.0 (maybe even from the very beginning?), released
> several _decades_ ago.
```

Actually the original scripts are dated 1996 (they could be older, possibly I wasn't using rsync to inherit things when I moved machine before then :-)). I am a sporadic but regular IDL user ... after all IDL was used by Giotto at the time of the last Halley comet pass (1986) ... although I started a bit later.

```
> In your case, I really don't see why you cannot use
> CREATE_STRUCT(tag1, value1, tag2, value2, ...) directly.
```

In fact I tested it, and now do it creating a long statement and using execute statement at the end.

```
> if init eq 0 then begin
>   struct = create_struct(tag, value)
>   init = 1
> endif else begin
>   struct = create_struct(tag, value, struct)
> endelse
```

Hmm ... this way you are PREpending new tags ... and possibly creating a nested structure ?

I want a sort-of flat structure where tags are APpended at the end.  
I do something like this:

```
stmt='structure=create_struct( '

stmt=stmt+"data', ...."

loop on "keywords"
  stmt=stmt+"','"+name+"','"+value
end loop
```

```
stmt=stmt+')'  
test=execute(stmt)
```

The first tag is special, it can be a data array or a data substructure.  
All other tags come later, and are keywords read from the data file, and assigned heuristically a data type.

So far I haven't encountered problems in building long statements  
(structure with about 200 tags)

For me the issue is closed (happily)

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