
Subject: Re: IDL input files.

Posted by [ryanselk](#) on Mon, 18 Jun 2007 19:59:14 GMT

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On Jun 18, 1:15 pm, David Fanning <n...@dfanning.com> wrote:

> Paul van Delst writes:

>> ryans...@gmail.com wrote:

>>> ive been reading some manuals and books for IDL but im not sure how to

>>> solve this likely simple problem.

>

>>> I have this I need to input to idl (.txt file):

>

>>> Name = {Joe}

>>> Department = {CS}

>>> Age = {25}

>

>>> and in IDL i need to save each attribute to its own variable. But if,

>>> lets say, department is omitted I want it to not input age as

>>> department. With c/c++ this isnt so bad as you can search the file for

>>> a 'keyword' and print the value from there, but I cant find how to do

>>> this in IDL.

>

>> Well, I don't think you can search the file in IDL, but you can read it in line by line

>> and search the lines. Why not create the file as IDL commands? e.g.:

>

>> ??

>

>> IDL> .run test

>> % Compiled module: TEST.

>> IDL> test

>> NAME STRING = 'Joe'

>> DEPARTMENT STRING = 'CS'

>> AGE INT = 25

>

>> IDL> \$more test.input

>> Name = "Joe"

>> Department = "CS"

>> Age = 25

>

> Well, I'd do this a little differently:

>

> pro test, name, dept, age

>

> ; Create file to read

> openw, lun, 'test.input', /get_lun

> if n_elements(name) NE 0 then \$

> printf, lun, 'Name = ' + name else \$

> printf, lun, 'Name = '

```

> if n_elements(dept) NE 0 then $
>   printf, lun, 'Department = ' + dept else $
>   printf, lun, 'Department = '
> if n_elements(age) NE 0 then $
>   printf, lun, 'Age = ' + StrTrim(age,2) else $
>   printf, lun, 'Age = '
>
> free_lun, lun
>
> ; Now read the file
> openr, lun, 'test.input', /get_lun
> buffer = ''
> while not eof(lun) do begin
>   readf, lun, buffer
>   parts = StrSplit(buffer, " ", /Extract)
>   case n_elements(parts) of
>     2: print, 'No value for ' + parts[0]
>     3: print, parts[0] + ' = {' + parts[2] + '}'
>     else: print, 'Whoa, I am like totally confused!!'
>   endcase
> endwhile
> free_lun, lun
> end
>
> Then try it like this:
>
> IDL> test, 'coyote', 'PE', 43
>   Name= {coyote}
>   Department= {PE}
>   Age= {43}
>
> IDL> test
>   No value for Name
>   No value for Department
>   No value for Age
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

```

Thank you guys! these should help, although I cant have IDL writing the program unfortunately. Ill have to figure out how to get the pre-made files read.
