Subject: Re: READ_ASCII - accessing data from structures
Posted by David Fanning on Wed, 12 May 2004 17:44:09 GMT
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Martin Doyle writes:

> I wonder if anyone might be able to help me with this?
>
> I'm using the IDL READ_ASCII function to read in a semicolon seperated
> file, after which I'd like to access individual elements of that data
> file. From the RSI website, I see that I can access the data fields
> (i.e. each column of data) by using, for example;
>
> print, mydata.(4)
>
> using the Variable_Name.(Tag_Index) method.
>
> Could someone tell me how to get to the individual elements of
> mydata.(4)?? Using the above I can only get a large stream of numbers,
> I need to use them one by one.

Well, this should work:

```
Print, (mydata.(4))[5]
```

But usually, you would just pull the column off and treat
it as an array, unless you had some speciific memory
considerations:

```
col4 = Reform(mydata.(4))
print, col4[5]
```

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: READ_ASCII - accessing data from structures
Posted by JD Smith on Wed, 12 May 2004 20:25:44 GMT
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On Wed, 12 May 2004 11:44:09 -0600, David Fanning wrote:

> Martin Doyle writes:
>
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>> mydata.(4)?? Using the above I can only get a large stream of numbers,
>> I need to use them one by one.
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> Well, this should work:
>
> Print, (mydata.(4))[5]

Just wanted to point out that mydata[5].(4) will typically be quicker
if the mydata vector is quite long, and also requires fewer
parentheses. Your method first creates a (potentially long) vector,
and then subscripts it.

JD
