
Subject: Re: FOR LOOP problem
Posted by [R.Bauer](#) on Mon, 10 Jun 2002 16:04:53 GMT
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Paul Sorenson wrote:

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>
> "Reimar Bauer" <r.bauer@fz-juelich.de> wrote in message
> news:3CFB1297.BAC0ACAE@fz-juelich.de...
>> Doug Rowland wrote:
>>>
>>> What happens if the image you are reading in is only 400x400 bytes (as
> seems
>>> to be implied by the filename)?
>>> Does readu then redefine image to be a 400x400 array or does it just
> leave
>>> the rest of the 462x350 array blank?
>>
>> Dear Doug,
>>
>> the rest 1700 bytes will be 0b and the size is (462, 350).
>> This gives no new information.
>>
>> It's not easy to examine the right size of a binary file.
>> First step could be to examine by fstat the byte size.
>> Then the data could be read as byte vector.
>
> You can do this with one command:
>
> IDL> vector = read_binary()
```

I know
but this is not working in runtime because of execute.

```
>> If you have an idea how it is organized you can use a reform
>> to put it in the correct size.
>
> You can read it and reform it in one command:
>
> IDL> array = read_binary(data_dims=[400, 400])
```

```
>
> -Paul Sorenson
>>
>> Reimar
```

```

>>
>>
>>
>>
>>
>>
>>
>>>
>>> How about trying this:
>>>
>>> image = bytarr(462, 350)
>>> image_mod = bytarr(462, 350)
>>> openr, 1, FILEPATH(SUB=['examples','data'], '400_400_gb')
>>> readu, 1, image
>>> print,size(image)
>>> close,1
>>> end
>>>
>>> Doug Rowland
>>> rowland@fields.space.umn.edu
>>>
>>> On 05/31/02 4:27 PM, in article
> MPG.176198a6982878fc989905@news.frii.com,
>>> "David Fanning" <david@dfanning.com> wrote:
>>>
>>>> Shravan Kumar Durvasula (skd6@ra.msstate.edu) writes:
>>>>
>>>> > I am very much new to IDL. Could anyone please tell me what the
> problem is
>>>> > with
>>>> > this .pro file?
>>>> >
>>>> >
> *****
>>>> > image = bytarr(462, 350)
>>>> > image_mod = bytarr(462, 350)
>>>> > openr, 1, FILEPATH(SUB=['examples','data'], '400_400_gb')
>>>> > readu, 1, image
>>>> > FOR i = 0, 461 DO BEGIN
>>>> >   FOR j = 0, 349 DO image_mod[i,j] = image[i,j]
>>>> > ENDFOR
>>>> > close, 1
>>>> > *****
>
>>>> >
>>>> > It gives me the following error message :
>>>> >
>>>> > *****

```

```

>>>> > % Attempt to subscript IMAGE with I is out of range.
>>>> > % Execution halted at: $MAIN$
>>>> > ENDFOR
>>>> > ^
>>>> > % Syntax error.
>>>> > At: D:\webpages\IONJava\examples\ndvi_pro.pro, Line 7
>>>> > *****
>>>>
>>>> I suspect the problem lies in how you are trying to
>>>> run this program. I recommend you put another END at the
>>>> end of the program file (after the CLOSE statement),
>>>> then run it like this from the IDL command line:
>>>>
>>>> IDL> .Run ndvi_pro
>>>>
>>>> Does that work better? This will compile the code before
>>>> it tries to run it. I think that will work better for you.
>>>>
>>>> I should point out that you can more easily do what you
>>>> want to do (and a hell of lot faster!) by simply writing this:
>>>>
>>>> image_mod = image
>>>>
>>>> Cheers,
>>>>
>>>> David
>>
>> --
>> Reimar Bauer
>>
>> Institut fuer Stratosphaerische Chemie (ICG-I)
>> Forschungszentrum Juelich
>> email: R.Bauer@fz-juelich.de
>> -----
>> a IDL library at ForschungsZentrum Juelich
>> http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml
>> =====
>
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> ----- Over 100,000 Newsgroups - Unlimited Fast Downloads - 19 Servers -----
>>
--
Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h_tml
=====
