
Subject: Re: FOR LOOP problem

Posted by [Doug Rowland](#) on Fri, 31 May 2002 21:45:05 GMT

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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?

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
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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
```
