
Subject: Re: FOR LOOP problem
Posted by [R.Bauer](#) on Wed, 05 Jun 2002 06:41:00 GMT
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Shravan Kumar Durvasula wrote:

>
> Hi,
>
> I am actually working on IONJava. I have a strange problem. This is
> the .pro file that i have written :

Dear Shravan

are aou sure that it is really the same file for ion and idl?

Reimar

>
> *****
> band4_image = bytarr(420, 345)
> band3_image = bytarr(420, 345)
> final_image = bytarr(420, 345)
> OPENR, 1, FILEPATH(SUB=['examples','data'], 'band_4')
> OPENR, 2, FILEPATH(SUB=['examples','data'], 'band_3')
> READU, 1, band4_image
> READU, 2, band3_image
> FOR i = 0,419 DO BEGIN
> FOR j = 0,344 DO final_image[i,j] = band4_image[i,j]
> ENDFOR
> CLOSE, 1
> CLOSE, 2
> TV, final_image
> END
> *****
>
> When i compile and run this program from the IDL command prompt, it
> runs absolutely fine. But when i run this file through IONJava using
> the "executeIDLCommand()" (method in the IONGraphicsClient class of
> IONJava) it gives the following error message :
>
> *****
> % Attempt to subscript BAND3_IMAGE with I is out of range.
> % Execution halted at: \$MAIN\$
> ENDFOR
> ^
> % Syntax error.
> At: D:\webpages\IONJava\examples\ndvi_pro.pro, Line 10
> END
> ^

```

> % Syntax error.
> At: D:\webpages\IONJava\examples\ndvi_pro.pro, Line 14
> *****
>
> I tried eliminating "ENDFOR" by modifying the code to :
>
> *****
> band4_image = bytarr(420, 345)
> band3_image = bytarr(420, 345)
> final_image = bytarr(420, 345)
> OPENR, 1, FILEPATH(SUB=['examples','data'], 'band_4')
> OPENR, 2, FILEPATH(SUB=['examples','data'], 'band_3')
> READU, 1, band4_image
> READU, 2, band3_image
> FOR i = 0,419 DO FOR j = 0,344 DO final_image[i,j] = band4_image[i,j]
> CLOSE, 1
> CLOSE, 2
> TV, final_image
> END
> *****
>
> When i do that it says :
>
> *****
> END
> ^
> % Syntax error.
> At: D:\webpages\IONJava\examples\ndvi_pro.pro, Line 12
> *****
>
> I then removed END in the last line and tried running it again. It
> worked absolutely fine. I am not able to guess what the problem could
> be. I was wondering if it had anything to do with the indentation as
> it said Syntax error. But i could not correct it. Could anyone please
> help? Any suggestions given on this would be of great help to me.
>
> Thanks,
> Shravan Kumar Durvasula
>
> David Fanning <david@dfanning.com> wrote in message
news:<MPG.176198a6982878fc989905@news.frii.com>...
>> 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

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

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