Subject: Re: Simple text file reading question
Posted by enod on Wed, 10 Oct 2007 15:04:45 GMT
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On Oct 10, 10:25 pm, "rpert...@gmail.com" <rpert...@gmail.com> wrote:
> Hi,
> I need to read a text file and assign the strings (and numbers) I read
> to variables.
> My text file contains:
>
> data.txt
> 650
> 550
> 480
> chimeny.sav
>
> I need to assign the first 3 numbers to 3 variables and the string to
> another variable.
>
> Any help?
>
> Thanks,
> RP

Just open it and read line by line.

```
PRO data_read
OPENR, lun, 'data.txt', /GET_LUN
tmp=''
readf, lun, tmp
int1 = fix(tmp)
readf, lun, tmp
int2 = fix(tmp)
readf, lun, tmp
int3 = fix(tmp)
readf, lun, tmp
str = tmp
FREE_LUN, lun
END
```

Regards,
Tian

Subject: Re: Simple text file reading question
Posted by Brian Larsen on Wed, 10 Oct 2007 15:08:35 GMT

I am assuming you have tried this and got this error:
% READF: Input conversion error. Unit: 101, File: data.txt
% Execution halted at: $MAIN$

the issue is that you have to initialize read variables to strings if
you want to read strings.

this is the code I used:
IDL> openr, lun, 'data.txt', /get_lun
IDL> readf, lun, in1
IDL> readf, lun, in2
IDL> readf, lun, in3
IDL> in4 = ''
IDL> readf, lun, in4
IDL> help, in1, in2, in3, in4
IN1 FLOAT = 650.000
IN2 FLOAT = 550.000
IN3 FLOAT = 480.000
IN4 STRING = 'chimeny.sav '

Cheers,

Brian

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Brian Larsen
Boston University
Center for Space Physics

Subject: Re: Simple text file reading question
Posted by rpertaub@gmail.com on Wed, 10 Oct 2007 15:26:16 GMT

On Oct 10, 11:08 am, Brian Larsen <balar...@gmail.com> wrote:
> I am assuming you have tried this and got this error:
> % READF: Input conversion error. Unit: 101, File: data.txt
> % Execution halted at: $MAIN$
>
> the issue is that you have to initialize read variables to strings if
> you want to read strings.
>

> this is the code I used:
> IDL> openr, lun, 'data.txt', /get_lun
> IDL> readf, lun, in1
> IDL> readf, lun, in2
> IDL> readf, lun, in3
> IDL> in4 = ''
> IDL> readf, lun, in4
> IDL> help, in1, in2, in3, in4
> IN1 FLOAT = 650.000
> IN2 FLOAT = 550.000
> IN3 FLOAT = 480.000
> IN4 STRING = 'chimeny.sav '
>
> Cheers,
>
> Brian
>
> -- ----------
> Brian Larsen
> Boston University
> Center for Space Physics

Thank so much for your help!! It works...my whole program
works...hopefully I won't have to write another one for a while...
