Subject: Re: Cut down a big file (W/O delimiters) into several... but I still don't understand

Posted by Nigel Wade on Tue, 20 Mar 2007 09:16:23 GMT

View Forum Message <> Reply to Message

DirtyHarry wrote:

```
> Last week I posted a question with almost same topic. I would like to
> slice a big file into several according to one of its row. I found
> there is some 'delimiter' problem that I cannot solve at this point.
> So I deleted them through making another simple IDL code and made a
> new data file, but still I got stuck in cutting it down.
>
> This is a part of my data file.
> file: 'HumNWS1.txt' (data(28, 164094))
>
                  95 95 95 95 96 95 95 94 93
> 90 2000 1
              1
> 93 93 94 94 94 95
                          95 93 91 90
                                          94 95 96 95
> 90 2000 1 2 96 95 94 96 93 93 76 74 76 81
> 85 84 76 53 43 40
                          39 41
                                  33 33
                                          32 32 33 35
                                          30 29 26 23
> 90 2000 1 3 35 34
                          38 35
                                  29 28
> 25 22 22 30 29 24 23 24 36 31 34 39 31 34
> .
> .
>
> To divide this, I set up a source code like this...
>
>
> pro hum_year
>
> ;
> ; 1. Read file and set the initial value of variables and arrays.
> file = 'HumNWS1.txt'
> ndata=file lines(file)
> data=intarr(28, ndata)
> close, /all
>
> ; 2. Prepare for new text files.
      openw,1,'HuNWS_2000.txt'
      openw,2,'HuNWS 2001.txt'
>
      openw,3,'HuNWS 2002.txt'
```

```
openw,4,'HuNWS_2003.txt'
>
       openw,5,'HuNWS 2004.txt'
>
       openw,6,'HuNWS_2005.txt'
>
>
>
  ; 3. Read data and write them on the designated files.
>
> for t=0L,ndata-1 do begin
       case data(1L,t) of
>
        2000:printf,1,format='(28i6)', data[*,t]
>
        2001:printf,2,format='(28i6)', data[*,t]
>
        2002:printf,3,format='(28i6)', data[*,t]
>
        2003:printf,4,format='(28i6)', data[*,t]
>
        2004:printf,5,format='(28i6)', data[*,t]
>
        2005:printf,6,format='(28i6)', data[*,t]
>
>
       else:
       endcase
>
 endfor
> ; 4. close all files.
> close, /all
> print, 'Process is done!'
>
> end
> There was no problem in compiling. When I ran this file after
> compilation, there were no error messages, either. However, after I
> checked those new files (i.e. 'HuNWS 2000.txt'), I found there were no
> data in there... I don't understand why this happens. What's wrong in
> my case statement...? Please give me some suggestions... thanks.
Nowhere in that code do you read the data from the file.
It helps if you do that, so that the data() array actually has some contents.
Nigel Wade, System Administrator, Space Plasma Physics Group,
       University of Leicester, Leicester, LE1 7RH, UK
E-mail: nmw@ion.le.ac.uk
```

+44 (0)116 2523548, Fax: +44 (0)116 2523555

Phone: