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
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DirtyHarry wrote:

> Last week I posted a question with almost same topic. I would like to
> slice a big file into several accoding 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))
>
> 90 2000 1 1 95 95 95 95 95 96 95 95 94 93
> 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
> 90 2000 1 3 35 34 38 35 29 28 30 29 26 23
> 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 desgnated 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.

--
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Subject: Re: Cut down a big file (W/O delimiters) into several... but I still don't understand
Posted by R.Bauer on Tue, 20 Mar 2007 10:00:08 GMT

Hi Callahan

Did you thought on using head and tail for that e.g.

head n -100 file > newfile

or you can use a simple idl program
which does read partial a whole array of e.g.

```
 tmp = make_array(28,100,/long)
 openr,lun1,file,/get_lun
 for i = 0,1 do begin
    readf,lun1,tmp
     openw,lun2,file+strtrim(i,2),transpose(tmp),/get_lun,width=2 8*12
    printf,lun2,tmp
    free_lun,lun2
 endfor
 free_lun,lun1
```

cheers
Reimar

DirtyHarry wrote:
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```
>
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>
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>          2004:printf,5,format='(28i6)' , data[*,t]
>          2005:printf,6,format='(28i6)' , data[*,t]
>         else:
>         endcase
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>

--
Reimar Bauer

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html
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