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

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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:

```
> 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))
> 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
               2
                  96
                     95
                          94
                              96
                                  93
                                      93
                                          76 74 76 81
           1
> 85 84 76 53
                  43 40
                          39 41
                                  33
                                      33
                                          32 32 33 35
                              35
                                      28
                                          30 29
> 90 2000
            1
               3
                  35
                     34
                          38
                                  29
                                                 26 23
> 25 22 22 30 29 24 23 24
                                  36 31
                                          34 39 31
>
```

> .

```
> .
>
  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.

>

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